JOHNSON C. SMITH UNIVERSITY

CATALOG 1986-1988

JOHNSON C. SMITH UNIVERSITY

IS A

FULLY ACCREDITED MEMBER

OF THE

Southern Association of Colleges and Schools

Association of American Colleges

Association of Governing Boards of Universities and Colleges

American Council on Education

American Association of Colleges for Teacher Education

Council on Protestant Colleges and Universities

National Association for Equal Opportunity in Higher Education

North Carolina Association of Independent Colleges and Universities

North Carolina Association of Colleges and Universities

College Entrance Examination Board

Presbyterian College Union

United Negro College Fund

Charlotte Area Educational Consortium

Division of Teacher Education
State Department of Public Instruction

* * * * *

JOHNSON C. SMITH UNIVERSITY

IS APPROVED

BY THE

American Medical Association

American Association of University Women

* * * * *

Admission to, employment by, and promotion within the University shall be on the basis of merit, and there shall be no discrimination on the basis of race, color, creed, sex, national origin, or handicap.

JOHNSON C. SMITH UNIVERSITY

CATALOG 1986-1988

CHARLOTTE, NORTH CAROLINA
28216-5398

As a private educational institution, the University and student enter into a contractual relationship with one another. This Catalog, the Student Handbook and other documents and regulations of the University are part of the contract the student has with the University. These materials are made available to the student at or before admission and enrollment. The student on admission is obligating himself or herself to submit to and be governed by the reasonable rules and regulations contained in these materials. Students are encouraged to read these materials to familiarize themselves with their contractual obligations. The University has the right to change fees, tuition or other charges; to add or to delete courses; to revise academic programs; or to alter regulations and requirements as deemed necessary. Johnson C. Smith University offers both equal education and equal employment opportunities.

Johnson C. Smith University, Incorporated, shall continue the present policy of admitting students of any race, color, sex, national and ethnic origin, to all rights, privileges, programs and activities generally accorded to or made available to students at the University.

An Affirmative Action/Equal Opportunity Institution

—ACADEMIC CALENDAR—

1986-1987

FALL SEMESTER

August 17	New Students will check into Residence Halls.
August 17-25	New Student Orientation.
August 19	Faculty Reports for Duty. New Faculty Orientation.
August 20-22	PRE-SCHOOL CONFERENCE FOR FACULTY AND STAFF.
August 24	Residence Halls open to upper class students.
August 25	ID cards validated.
August 26	Change of Program for students who participated in Advance Registration.
August 27	Registration for returning students and continuing students who did not participate in advance registration.
August 28	FIRST DAY OF CLASSES.
September 1	Labor Day (University Holiday)
September 2	Last Day to enroll for the Fall Semester.
September 2-5	Change of Program (Drop-Add).
September 5	LAST DAY TO ADD COURSES.
September 9	Opening Convocation.
October 10	Handwriting and Spelling Test for Teacher Education Program.
October 13-14	MID-SEMESTER EXAMINATIONS.
October 15	Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Spring Semester.
October 17	Mid-semester grades are due in computer center.
October 17	Candidates completing requirements for graduation at the close of the Fall Semester **must** file application for degrees in the Office of Registrar on or before this date.
October 31	LAST DAY FOR DROPPING COURSES.
November 1	HOMECOMING.
November 10-14	Advance Registration.
November 26	Classes end at 1:00 p.m.
November 27-30	Thanksgiving Holiday (classes resume at 8:00 a.m. December 1).
December 5	LAST DAY OF CLASSES.
December 7	Annual Christmas Program by Music Department.
December 8-12	FINAL EXAMINATIONS FOR FALL SEMESTER.
December 15	Grades due in Office of the Registrar.
December 15-January 4	Academic Recess.
December 22-26	Christmas Break (University closed).
January 1	New Year's Holiday.

SPRING SEMESTER

January 4	Residence Halls will open at 9:00 a.m.
January 5	Orientation—Freshman and Transfer students entering for the Spring Semester.
January 5	Faculty Reports for Duty.
January 6	Registration and change of program for students who participate in Advance Registration.
January 7	Registration for new students and returning students who did not participate in Advance Registration.
January 8	FIRST DAY OF CLASSES.
January 8	Last day to enroll for the Spring Semester.
January 12-16	Change of Program (Drop-Add).
January 16	LAST DAY TO ADD COURSES.
January 19	Martin Luther King's Birthday (University Holiday).
February 11	Candidates completing requirements for graduation at the close of the Spring Semester **must** file application for degrees in the Office of the Registrar on or before this date.
February 23-24	MID-SEMESTER EXAMINATIONS.
February 27	Mid-semester grades due.
March 13	LAST DAY FOR DROPPING CLASSES.
March 13	Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Fall Semester.
March 14-22	SPRING RECESS.
April 5	Founders' Day Convocation.
April 6-10	Advance Registration.
April 17-20	Easter Holiday.
April	NATIONAL LIBRARY WEEK.**
May 1	LAST DAY OF CLASSES.
May 1	LAST DAY TO OFFICIALLY WITHDRAW FROM THE UNIVERSITY.
May 4-8	FINAL EXAMINATIONS FOR SPRING SEMESTER.
May 8	Grade reports for graduating seniors due in Registrar's Office.
May 14	Grade reports for non-graduating students due in Registrar's Office.
May 15-17	COMMENCEMENT ACTIVITIES.
May 17	COMMENCEMENT DAY.
May 18-19	FACULTY POST-SCHOOL CONFERENCE.
SUMMER SCHOOL	(TO BE ANNOUNCED.)

**Dates to be announced.

—ACADEMIC CALENDAR—

1987-1988

FALL SEMESTER

August 16 ..... New Students will check into Residence Halls.

August 16-24 ..... New Student Orientation.

August 18 ..... Faculty Reports for Duty.
New Faculty Orientation.

August 19-21 ..... PRE-SCHOOL CONFERENCE FOR FACULTY AND STAFF.

August 23 ..... Residence Halls open to upper class students.

August 24 ..... ID cards validated.

August 25 ..... Change of Program for students who participated in Advance Registration.

August 26 ..... Registration for returning students and continuing students who did not participate in advance registration.

August 27 ..... FIRST DAY OF CLASSES.

September 1 ..... Last Day to enroll for Fall Semester.

September 2-4 ..... Change of Program (Drop-Add).

September 4 ..... LAST DAY TO ADD COURSES.

September 7 ..... Labor Day (University Holiday).

September 8 ..... Opening Convocation.

October 12-13 ..... MID-SEMESTER EXAMINATIONS.

October 14 ..... Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Spring Semester.

October 16 ..... Mid-semester grades are due in computer center.

October 16 ..... Candidates completing requirements for graduation at the close of the Fall Semester **must** file application for degrees in the Office of Registrar on or before this date.

October 30 ..... LAST DAY FOR DROPPING COURSES.

November 7 ..... HOMECOMING.

November 9-13 ..... Advance Registration.

November 25 ..... Classes end at 1:00 p.m.

November 26-29 ..... Thanksgiving Holiday (classes resume at 8:00 a.m. November 30).

December 4 ..... LAST DAY OF CLASSES.

December 6 ..... Annual Christmas Program by Music Department.

December 7-11 ..... FINAL EXAMINATIONS FOR FALL SEMESTER.

December 14 ..... Grades due in Office of the Registrar.

December 14-January 3 ..... Academic Recess.

December 21-28 ..... Christmas Break (University closed).

January 1 ..... New Year's Holiday.

SPRING SEMESTER

January 3	Residence Halls will open at 9:00 a.m.
January 4	Orientation—Freshman and Transfer students entering for the Spring Semester.
January 4	Faculty Reports for Duty.
January 5	Registration and change of program for students who participated in Advance Registration.
January 6	Registration for new students and returning students who did not participate in Advance Registration.
January 7	FIRST DAY OF CLASSES.
January 7	Last day to enroll for the Spring Semester.
January 11-15	Change of Program (Drop-Add).
January 15	LAST DAY TO ADD COURSES.
January 18	Martin Luther King's Birthday (University Holiday).
February 10	Candidates completing requirements for graduation at the close of the Spring Semester **must** file application for degrees in the Office of the Registrar on or before this date.
February 22-23	MID-SEMESTER EXAMINATIONS.
February 26	Mid-semester grades due.
March 11	LAST DAY FOR DROPPING COURSES.
March 11	Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Fall Semester.
March 12-20	SPRING RECESS.
April 1-4	Easter Holiday.
April 5-8	Advance Registration.
April 10	Founders' Day Convocation.
April	NATIONAL LIBRARY WEEK.**
May 6	LAST DAY OF CLASSES.
May 6	LAST DAY TO OFFICIALLY WITHDRAW FROM THE UNIVERSITY.
May 9-13	FINAL EXAMINATIONS FOR SPRING SEMESTER.
May 13	Grade reports for graduating seniors due in Registrar's Office.
May 18	Grade reports for non-graduating students due in Registrar's Office.
May 20-22	COMMENCEMENT ACTIVITIES.
May 22	COMMENCEMENT DAY.
May 23-24	FACULTY POST-SCHOOL CONFERENCE.
SUMMER SCHOOL	(TO BE ANNOUNCED.)

**Dates to be announced.

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GENERAL INFORMATION

HISTORY

In 1867 the Reverend S. C. Alexander and the Reverend W. L. Miller saw the need to establish an institution in this section of the South and began to devise such plans as would secure the desired results. On April 7, 1867, at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church, formerly located at the corner of D and Fourth Streets, Charlotte, North Carolina, the movement for the school was formally inaugurated, and these two ministers were elected as teachers.

Information concerning the establishing of the school was brought to the attention of Mrs. Mary D. Biddle, an excellent churchwoman of Philadelphia, Pennsylvania, who, through appeals on behalf of the work in one of the church papers, pledged $1400. In appreciation of this first and generous contribution, friends of the project requested Mrs. Biddle to name the newly established school after her late husband, Major Henry Biddle. After the request was granted, the school was named Biddle Memorial Institute and later was chartered by the State Legislature under that name.

The first eight acres of land used as the site for the school were donated by Colonel W. R. Myers, a wealthy citizen of Charlotte, North Carolina. From 1867 to 1876 the school was known as the Biddle Memorial Institute. In 1876 the charter was changed by the Legislature of North Carolina, and the name of the school became Biddle University. The institution operated under this name until 1923.

From 1921 to 1922 the late Mrs. Jane Berry Smith, of Pittsburgh, Pennsylvania, gave funds for the erection of a theological dormitory, a science hall, a teachers' cottage, and a memorial gate at Biddle University. In addition, she provided a handsome endowment for the institution in memory of her late husband, Johnson C. Smith. In recognition of these generous benefactions, the Board of Trustees voted to change the name of the institution to Johnson C. Smith University. The charter of the school, accordingly, was so amended March 1, 1923, by the Legislature of the State of North Carolina. From 1923 until her death in October, 1929, Mrs. Smith gave funds for the erection of five more buildings, including a campus church.

The University was further strengthened from 1924 to 1925 as a result of a substantial provision by James B. Duke, a wealthy, "wise,

magnanimous" businessman of Somerville, New Jersey. Mr. Duke also had a home in Charlotte and had been contacted by the president of the University, Dr. H. L. McCrorey, several years earlier for a contribution. Mr. Duke did not respond to Dr. McCrorey's letter, but in the authorization of the establishment of the Duke Endowment on December 11, 1924, Johnson C. Smith University was included as one of the beneficiaries. Through the years the Duke Endowment has been of inestimable value to the continued development of the University.

The institution was recognized that year by the North Carolina State Board of Education as a four-year college. In 1929 the high school department was discontinued, and the standard program was restricted to a college of liberal arts and sciences and a theological department.

In 1932 the University's charter was amended, providing for the admission of women to the senior division. The 65-year-old institution for men then became partially coeducational.

In 1938 the institution attained the status of an independent college, affiliated with the Presbyterian Church in the United States of America, reporting to the General Assembly through the Board of Christian Education.

The first residence hall for women, named in memory of James B. Duke, was dedicated in 1940. In 1941 women were admitted to the freshman class. When the Diamond Jubilee was celebrated in 1942, the University was a fully coeducational institution.

Johnson C. Smith University joined the United Negro College Fund in 1944. This fund was organized primarily to help church-related schools of higher learning to revamp their training program, to expand their plants, to promote faculty growth, and to create new areas of service. The institution's membership in the fund began to bear fruit immediately.

In November, 1955, the Henry Lawrence McCrorey Theological Hall was dedicated and provided a new home for the 88-year-old seminary and its library. This new facility also provided space for a small chapel, classrooms, and offices. In 1969 the theological department was moved from Charlotte, North Carolina, to Atlanta, Georgia, and became a part of the Interdenominational Theological Center. McCrorey Hall is now a classroom building for religious education, philosophy, sociology, and other academic areas.

Through increasing support from the Duke Endowment, the United Negro College Fund, and other sources, the period between 1955 and 1968 was one of expansion of the physical plant and enrichment of the curriculum. Seven new buildings were erected during this period: the new gymnasium (1960), the Hardy Liston Residence Hall for women (1962), the University Memorial Union (1965), the Duke Memorial

Library (1967), Myers Residence Hall for men and Sanders Residence Hall for women (1967), and a new science building (1968).

The institution completed in 1966 a two-year self-study program, which resulted in significant innovations in the curriculum. The year 1967 was a memorable one for all Johnson C. Smith University (formerly Biddle) alumni and friends. The University had reached its one hundredth anniversary. During this historic centennial occasion, the institution examined its past and made innovative and creative plans for the future.

The present site contains 85 acres of land and 46 buildings. The University has more than twelve hundred students and approximately 240 full-time faculty members, administrators, and staff members for administrative and support services.

Increasingly aware that today's demand for truly educated men and women is the most pressing in history and that quality and versatility are prerequisite to equal opportunity for all, Johnson C. Smith faces the challenge of her second century with new vision and a calculated plan of action.

PURPOSE

Johnson C. Smith University, an independent, private college of liberal arts, was founded under the auspices of the Committee on Freedmen of the Presbyterian Church, U.S.A. The original purpose—to provide an institution of training of men "for the ministry, for catechists, and for teachers"—has been greatly expanded. Today, Johnson C. Smith University exists as a coed undergraduate institution of higher learning, offering varied fields of study in the context of the small liberal arts college tradition, open to all qualified persons regardless of race.

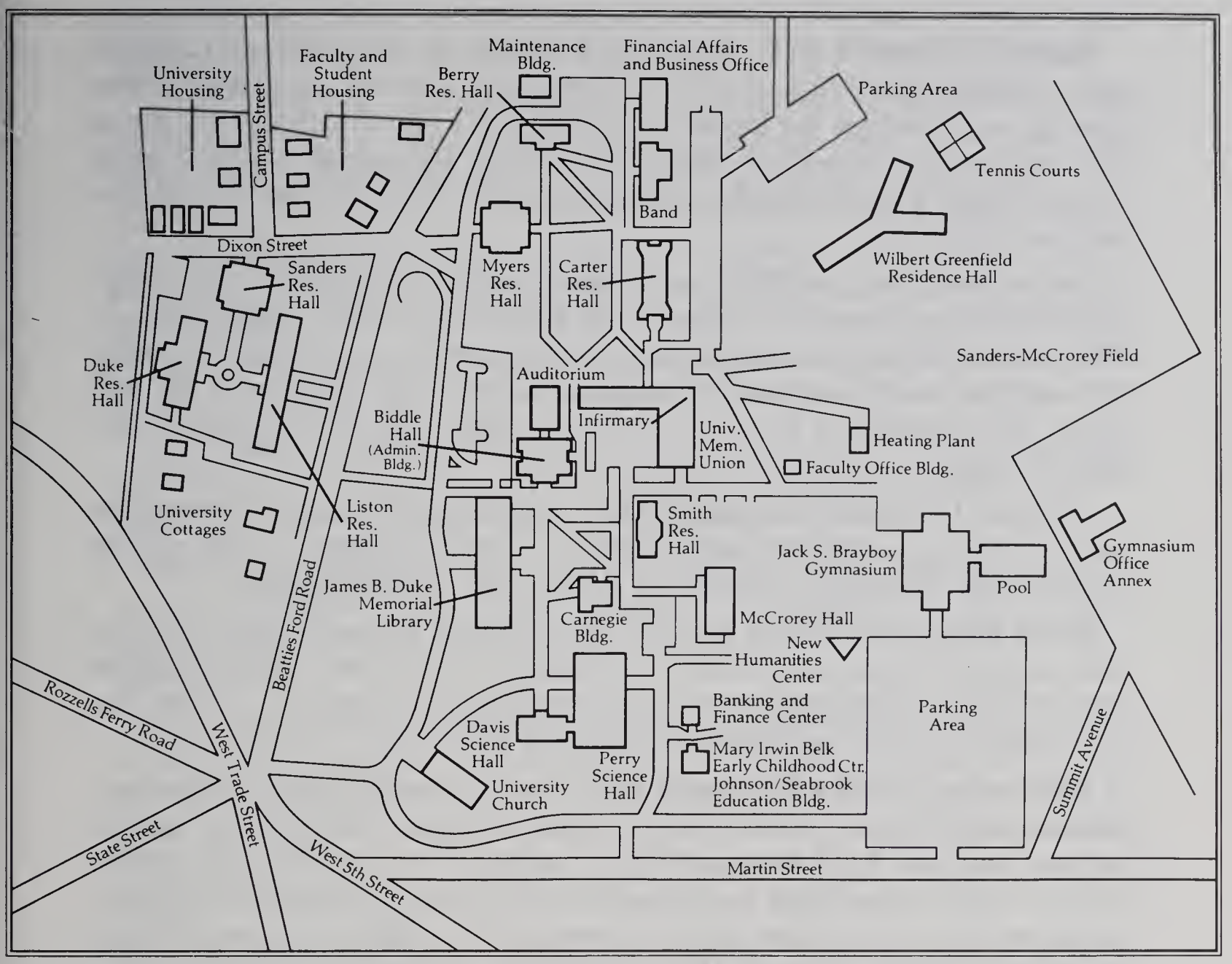
Johnson C. Smith University seeks to develop students who will be well prepared for their chosen occupation or professional career and for living fulfilling, personal lives in an everchanging society. In order to accomplish this purpose, the University seeks to provide an environment in which women and men may realize as fully as possible their individual potential for intellectual, personal, social, physical, cultural and spiritual growth. In terms of intellectual growth, the purpose is to support the development of high standards for individual intellectual activities and to encourage improvement in the students' abilities to both organize and synthesize information from a variety of sources. A critical focus is to assist students in continuing to develop their abilities to listen, think, and write effectively. In terms of personal growth, the purpose is to encourage students to better understand themselves through self-examination and to assist students in developing the means to achieve their goals. In addition, the purpose is to actively encourage

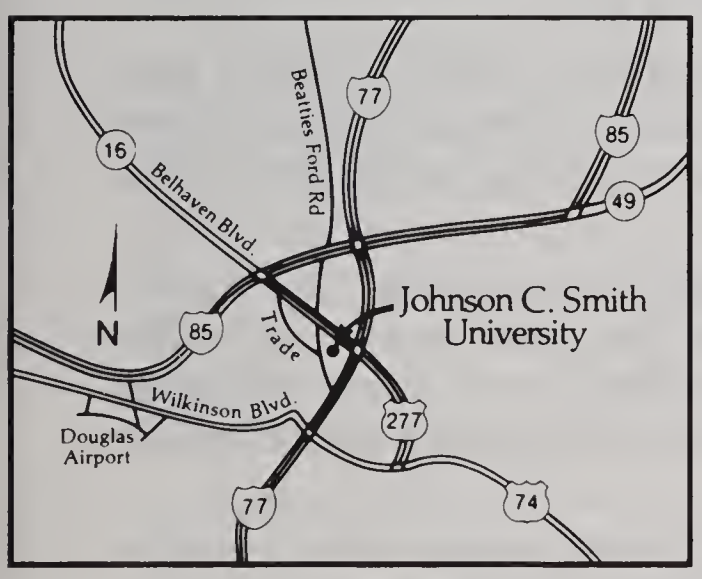
students to be responsible for their own behavior and to develop a commitment to independent study and learning. In terms of social growth, the purpose is to assist students in enhancing their capacity to communicate effectively with other persons, whether interacting with an individual or in a group. In terms of physical growth, the purpose is to provide both the theoretical understanding and practical implementation of conditions which will enhance the development of habits leading to lifelong physical fitness. In terms of cultural growth, the University seeks to heighten students' awareness and appreciation of other peoples and cultures and to encourage students' participation in and appreciation of the fine and performing arts as expressions of the human spirit. In terms of spiritual growth, the purpose is to provide avenues for examining and expressing religious and moral values and commitments.

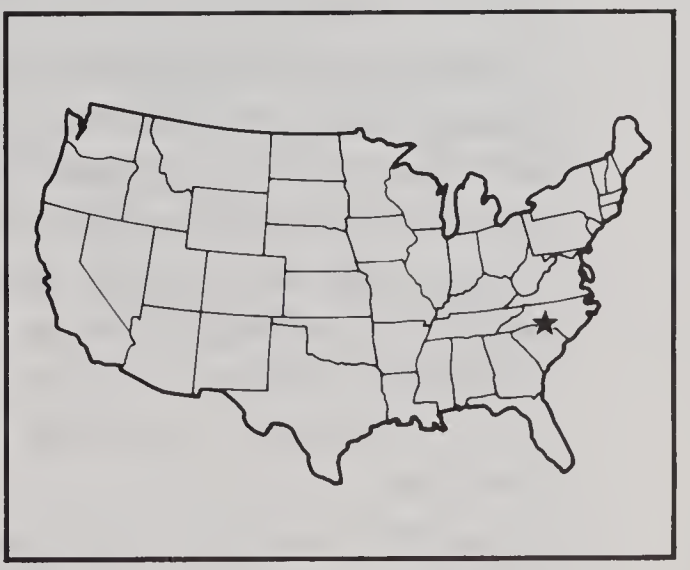
In the realization of these general goals of a liberal arts education, Johnson C. Smith emphasizes the following:

1. Preparing students for useful and personally satisfying careers.
2. Providing programs designed to meet the needs of *all* entering students from the exceptionally well prepared to the marginally prepared.
3. Providing students with the opportunity to observe the distinction between the theoretical and practical by the provision of experiential learning options such as community based internship experiences, independent research studies, and cooperative education placements.
4. Preparing students for active involvement in our society by providing campus activities wherein leadership skills may be nurtured.
5. Providing a campus climate which supports open communication between and involvement of all University constituents in the decision-making process of the institution.
6. Placing emphasis on the importance of teaching effectiveness as paramount by placing primary, though not exclusive, weight on teaching as the basis function of the faculty.
7. Remaining up-to-date about and sensitive to technological advances and other societal changes, particularly as they affect variety, type, and scope of programs and services offered by the institution.

CAMPUS MAP







Johnson C. Smith University is located at 100-300 Beatties Ford Road near the intersection of West Trade Street, Fifth Street, and Rozzells Ferry Road in Charlotte, North Carolina. Charlotte is served by Eastern, Delta, Piedmont, Pan American, U.S. Air, Ozark, Sunbird, and United Airlines, by Greyhound and Trailway buses, and by Amtrak. The campus is easily accessible to Interstate 85 and 77.

BUILDINGS

Biddle Memorial Hall, the main building on the campus, contains the administration offices of the University, conference rooms, classrooms, and lounges for faculty and students. The building consists of five stories, including the basement. Biddle Memorial Hall is located on the highest knoll of the campus and may be seen from almost any section of the city.

Carter Hall, built in 1896, is a residence hall for college men. The original building was a gift of Miss Laura Carter of Geneva, New York. In 1955 the building was completely modernized on the inside, leaving the outside walls to retain the original architecture. It houses 106 students and contains a lounge, recreation area, and living quarters for the director.

Johnson C. Smith Memorial Hall, which stands on the eastern side of the campus, supplies rooms for about 62 men students. It was named for the late Johnson C. Smith of Pittsburgh, Pennsylvania.

Berry Hall, a residence hall for men, stands at the northern end of the campus. It has four stories, including a basement. This residence hall, which was given in memory of the late Mrs. Smith's parents, has a reception parlor and houses about 55 students.

The James B. Duke Memorial Hall, the first residence hall to be constructed on the campus for the housing of female students, is located across Beatties Ford Road at the southwest end of the University campus. The three-story building is Georgian in style and has exterior walls of brick with limestone trimming. In addition to ideal living quarters for approximately 110 students, it includes the director's office, a beauty parlor, and laundry and truck rooms.

Carnegie Hall, which housed the library from 1911 to 1968, is now occupied by the Offices of the Directors of Counseling and Testing Services, Career Planning and Placement, Financial Aid, and Residence Life, and the University Chaplain.

The Jane M. Smith Memorial Church, located near the former entrance to the campus, is a gift of the late Mrs. Jane Berry Smith. This beautiful building, which was erected in 1928, is made of colonial brick with limestone trimming and has a front supported by limestone columns.

Smith Cottage, originally built as the winter home for Mrs. Johnson C. Smith, now houses the Banking and Finance Center.

The Henry Lawrence McCrorey Memorial Hall, dedicated on November 12, 1955, was formerly the administration building for the School of Theology. It was erected from funds raised by alumni, churches in the Catawba, Atlantic, Blue Ridge, and Canadian Synods, local friends, and the Building Fund Campaign of the Presbyterian Church, U.S.A. It contains three stories, including space for classrooms, offices, an

assembly room, a meditation room, a reception room, the Freshmen-Sophomore Center, Social Science Labs, Social Science Library and a stock room.

Greenfield Hall was dedicated on April 19, 1985. It is a residence hall of modern design. The building houses 210 students. On the main floor is the office of the Residence Coordinator, the main lounge and a vending area. The library along with two conference rooms are located on the third floor where residents have the opportunity to interact within the building. The lower level houses the laundry room and storage area. An added feature is the courtyard which encourages social interaction outside the building. The building is named for the former president of the University, Dr. Wilbert Greenfield, who served from 1972 to 1983.

The Central Heating Plant was dedicated on April 7, 1954. It replaces individual heating units and is capable of furnishing heat and hot water for several buildings on the campus.

The Hartley Woods Hall, a gift of the late Mrs. Jane Berry Smith, was the original campus gymnasium and is situated at the northern end of the University Quadrangle. It now houses the Office of Financial Affairs.

The Jack S. Brayboy Gymnasium was completed in 1961. It is ideally situated on a spacious plot adjacent to a wooded area of the campus and is well away from other campus buildings. The gymnasium is a split-level brick and steel structure with a main playing floor, a seating capacity of 2500, two lobbies, and accessory equipment and storage rooms on the upper level. On the lower level are five instructors' offices, two classrooms, the main equipment and storage rooms, and the main physical education locker and tower rooms.

A glass-enclosed corridor connects the Pool Building with the lower level of the gymnasium. The south wall of the building is of fixed glass with sliding glass doors that open onto a patio which encompasses the length of the building. The swimming pool, which is seventy-five feet long and forty-two feet wide, meets indoor Olympic regulations. The depth of the pool is from three to ten feet. The Pool Building also contains the swimming instructor's office, toilet facilities, and beneath the pool deck, a corridor that encircles the pool wall and extends to the mechanical equipment room.

Liston Hall, dedicated on April 7, 1963, is a residence hall for women. Of modern design, the building will accommodate 152 students. It has two lounges and other facilities adequate for the convenience of young ladies. The building was named in memory of Dr. Hardy Liston, who served as president of the University from 1947 until his death in 1956.

The University Memorial Union, dedicated on May 30, 1965, is a beautiful three-story building which includes a cafeteria, a snack bar, conference rooms, faculty and student lounges, a bookstore, a post office, a music listening room, staff offices, recreational facilities, an all-

purpose lounge and ballroom, a browsing-reading room and the infirmary.

The James B. Duke Memorial Library, a modern structure near the center of the campus, was completed in the summer of 1967. It has an open-shelf arrangement, designed to create interest and to provide easy access to the collection.

Total resources of the library include materials directly related to classroom work, as well as general and recreational reading materials. It houses valuable reference books, bound and unbound periodicals, pamphlets, and audio-visual materials, in addition to the general book collection—all of which promote the objectives of the University. There are frequent displays on subjects of general and special interest.

Books and periodicals that are not available in the James B. Duke Memorial Library may be obtained from other libraries through inter-library loans and copying facilities.

Comfortable reading areas are provided on both floors of the library. On the second floor are located study carrels for instructors and students. The west wing of the building houses the Audiovisual Center and two classrooms for lectures and viewing.

Policies, designed for the interest of all users of the library, appear in the *Library Guide,* which is distributed at the circulation desk.

Myers Hall, completed in 1967, accommodates 122 students. It is used to house men and women alternately. A modern four-story structure, the building has on the first floor an apartment for the director, a two-room suite for counselors, lounge, TV room and laundry facilities.

Sanders Hall, built in 1967, accommodates 120 women students. The four-story building has on the first floor two apartments (one for the directors), a snack bar, a grooming room and laundry facilities.

The Science Center. The Science Center is composed of the completely renovated George E. Davis Science Hall and the Rufus Patterson Perry Science annex which was completed and occupied in September 1968. This handsome tri-level structure was dedicated on April 2, 1978 in honor of the eighth former president of the University, Dr. Rufus P. Perry.

The Science Center is fully equipped for teaching, research and has classrooms, offices, laboratories, which facilitate experimental work in chemistry, the life sciences, mathematics, physics, earth sciences, psychology, computer science, and engineering sciences.

The Johnson/Seabrook Education Building and Early Childhood Education Center. In June of 1976, Johnson C. Smith University began construction of a new facility to house the Education and Business/Economics Departments. The Mary Irwin Belk Early Childhood component was added as a teaching laboratory and community service project. Major donors who contributed to the facility were: The Belk Family

Foundation; Department of HEW Higher Education Facilities; the Kresge Foundation; Observer Charities and the Z. Smith Reynolds Foundation. This building was erected during the administration of President Wilbert Greenfield.

The Humanities Building, completed in 1986, is a classroom facility with faculty offices. It is ideally placed on a spacious site between the gymnasium and McCrorey Hall. Of modern design compatible with Greenfield Hall, the building contains 21 offices, 10 classrooms, a computer laboratory, a language laboratory, a lecture hall, a conference room, and staff lounge.

PUBLICATIONS

The *Johnson C. Smith University Catalog* and admission materials are published by the University.

The Bull, the yearbook, is published annually by the students.

The Newsletter and the *State of the Union* are published by the Office of Development.

The JCSU News, the campus newspaper, is published periodically during the school year by the students.

The Student Handbook is published by the Office of Student Affairs as a guide to student life at the University and sets out in detail various rules and procedures to which students adhere.

ADMINISTRATIVE ORGANIZATIONS

Board of Trustees

The Board of Trustees exercises final authority of all University governance within the limits of the established charter granted to the institution by the State of North Carolina. The trustees delegate authority to various divisions of the University through the president. The officers of the University are delegated a portion of the responsibility for functions within the University. Brief descriptions of these offices and responsibilities follow.

Officers of the University

The president of Johnson C. Smith University is elected by the Board of Trustees and is an ex-officio member of the board. The other officers of the administration are appointed by the Board of Trustees upon the recommendation of the president. The following positions comprise the officers of Johnson C. Smith University; president, vice president for academic affairs, vice president for business and financial affairs, vice president for student affairs, and vice president for development.

Office of the President: All officers of the University report directly to the president and, through him, to the Board of Trustees. Reporting

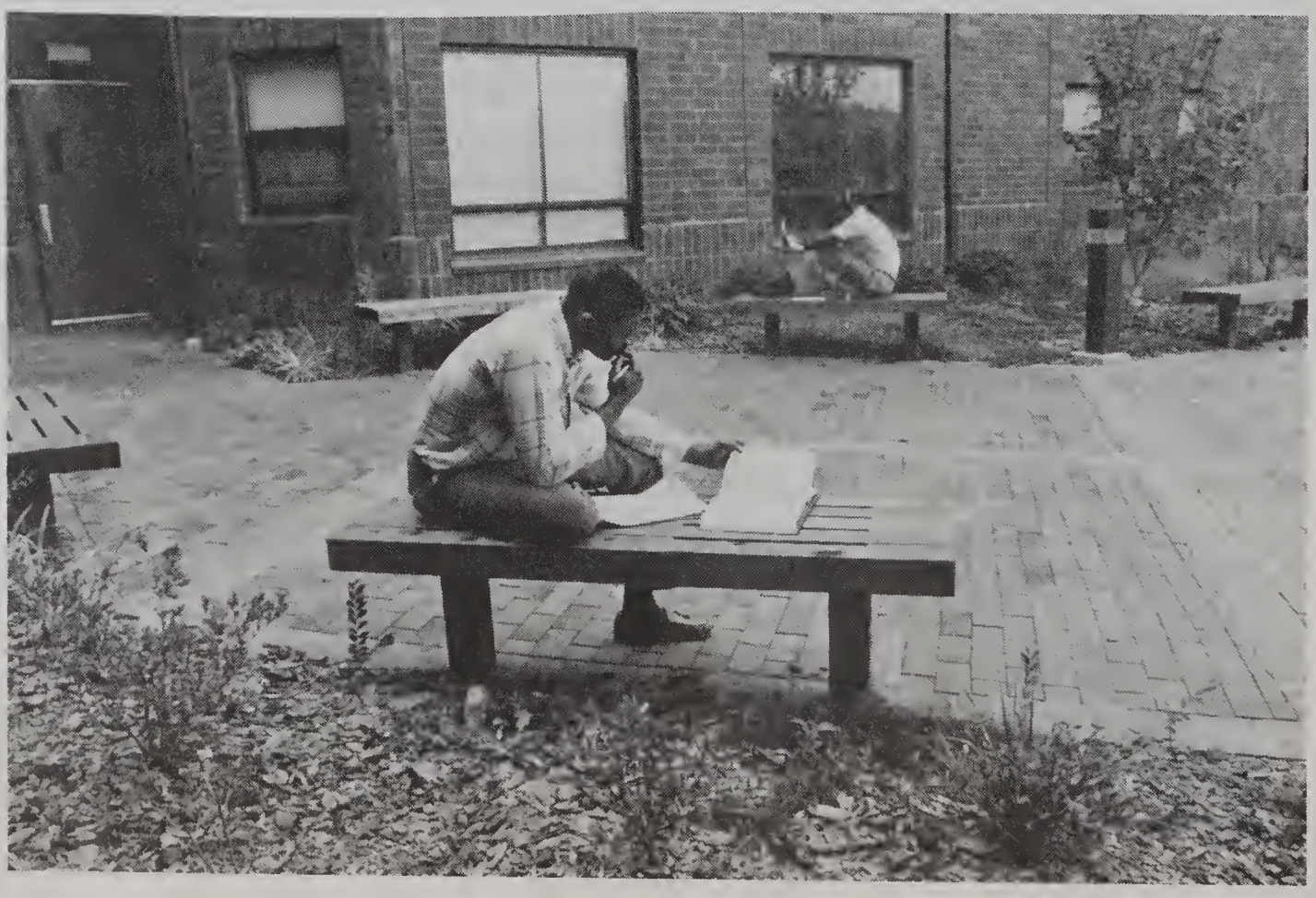
directly to the president are the vice president for academic affairs, the vice president for student affairs, the vice president for business and financial affairs, and the vice president for development.

Office of the Vice President for Academic Affairs. The Vice President for Academic Affairs is the chief administrative officer for all academic programs. All academic officers report through this office to the president. These include the director of admissions, the registrar, the director of foundations of education, the librarian, the director of summer school, and the chairpersons of academic divisions.

Office of the Vice President for Student Affairs: The Vice President for Student Affairs is the chief administrative officer responsible for the management of student affairs. Those department heads reporting to this office are the directors of counseling and testing, university union, student financial aid, health services, career planning and placement, upward bound, special services, residence life and the university chaplain.

Office of the Vice President for Business and Financial Affairs: The Vice President for Business and Financial Affairs is the chief administrative officer responsible for the business and financial operations of the University. Reporting to this office are the administrative officer, the personnel officer, the comptroller, and the director of the physical plant.

Office of the Vice President for Development: The Vice President for Development is the chief administrative officer responsible for programs of support and communication. Reporting to this office are the assistant vice president for development, director of alumni affairs, director of university relations and sports information.



STUDENT AFFAIRS

The Division of Student Affairs is comprised of eight diverse yet interrelated units designed to assist the student in acquiring skills and competencies that promote holistic student growth and development. Specifically, these services are provided through the offices of campus ministry, career planning and placement/cooperative education, counseling and testing, financial aid, health services, residence life, special services, and student union/student activities. While the Upward Bound program, which is one of the components of the Division, does not provide direct services to currently enrolled students, it does serve to facilitate college enrollment among high school students, thus contributing to the goal of student development.

The major goals of the Division include the following:

a. Orientation to the college environment so as to provide an introduction to college life and facilitate the entering student's transition to the University;
b. Aiding students in understanding the reasons for their behavior and helping them to realize and accept that there are logical consequences to their behavior, for which they—as maturing adults—must assume full responsibility;
c. Providing opportunities for positive social and cultural interaction among students to enhance the development of sound interpersonal relationships, as well as an understanding of persons from a diversity of cultural and socioeconomic backgrounds;
d. Coordinating and promoting a wholesome program of extracurricular activities which lead to more productive use of leisure time, serve as a complement to classroom activities, and provide opportunities for creative participation by faculty, staff, and students;
e. Informing students about the availability of financial aid, assisting them in applying for such aid, and helping them recognize their rights and responsibilities as consumers and, where applicable, as borrowers;
f. Providing a challenging, yet supportive environment in which students may question and examine their personal values, attitudes, and beliefs, and develop principles and guidelines that will provide direction in their student and adult lives;
g. Helping students develop skills and behaviors that will facilitate job entry and career development, providing opportunities for the practical application of theories and classroom learning to the actual work setting, maximizing career options, and promoting career development as a lifelong process;

h. Providing services and resources in which students recognize their academic potential and identify factors which impede maximum intellectual development, while offering them a variety of developmental learning activities that promote maximal achievement; and

i. Providing a residential living and learning environment that is conducive to intellectual stimulation and development, provides educational, social and cultural programming, enhances the development of communication skills, ensures the development of interpersonal relationships, and fosters an appreciation of community living.

The Division is staffed with trained professionals who have as their major emphasis the total development of students in an atmosphere of caring concern and commitment.

Office of the Assistant Vice President for Student Affairs

This office includes those services related to student judiciary programs, student government advising, student development/leadership programs, coordination and implementation of the freshman orientation program, coordination of fraternal organization operations, and international student advising.

Within the University community of scholars and learners, certain standards must be established as the framework for giving expression to freedom, promoting order, preserving individuality, and facilitating individual behavior which contributes to the harmonious functioning of the community.

Attendance at the institution is a privilege, not an inherent right, and the University requires each student to observe the standards and guidelines for student life as found in the catalog, the Student Handbook, in regulations governing life in university student residence halls, and other policies and procedures published as official University policies, procedures, and pronouncements. Each student has a responsibility to become familiar with these various publications.

The University reserves the right to cancel the enrollment of any student who abuses this privilege and violates the standards for student life, when it shall be determined, through the established judicial process, that a student has forfeited his or her privilege to remain at the University.

The institution functions as a viable collegiate community only by the existence of certain standards which form the framework for the harmonious interaction of the individual and corporate collectivity. In the interest of promoting order, facilitating positive individual behavior, and assuring the general welfare of those who make up the collegiate community, certain principles and standards are promulgated. The University espouses the proposition that certain rights and responsibilities are indispensable to the achievement of the purposes of higher education. These rights and responsibilities accrue to both administration/faculty and students, as the viability of the campus community

is dependent upon the assumption of certain responsibilities by each individual and group.

The University's Standards of Conduct are designed to provide students with guidelines for their behavior. It includes statements of the specific provisions governing appropriate student conduct and the range of sanctions that may be imposed upon those found to be in violation of the standards of conduct. The University's judicial system is necessary for the adjudication of differences or conflict, misconduct, and violations. Residence Hall Coordinators, the Student Judiciary Board, the Student-Faculty Judiciary Board, and the Assistant Vice President for Student Affairs represent those parties which will adjudicate cases of student misconduct. The Office of the President of the University, the highest functionary in the judicial process, serves as the appellate for appeals only for those cases where the sanction has either been suspension or expulsion.

Fundamental to the judicial process is the principle of "due process" which is a concept of fundamental fairness, embodying the concepts of fair play and reasonableness.

The Office of the Assistant Vice President for Student Affairs serves as the official advisor to the Student Government Association, which is recognized as the official student functionary to represent students, investigating general problems of student life and activity, making reports and recommendations to official bodies of the University, and carrying out other activities as stipulated in its constitution.

Essential to the development and maturation of the "total" student is the need for programs and services which cultivate and promote the acquisition of leadership skills. Under the auspices of the Office of the Assistant Vice President for Student Affairs, various programs, seminars, and services are offered to facilitate the development of leadership skills.

The freshman orientation program is another area which the Office of the Assistant Vice President for Student Affairs is responsible. Freshmen and transfer students are required to participate in orientation sessions prior to the beginning of each academic semester. The purpose of the orientation program is to assist freshmen in their transition and adjustment to college life. An integral component of the freshman orientation program is the required academic course, Freshman Orientation 120. This two credit course is a requirement of all freshmen and transfer students during their first semester of enrollment at the University. The primary goals of this course are as follows:

(1) To help entering students to learn about university policies, procedures, traditions, services, and regulations.

(2) To provide students with information concerning the issues and problems encountered during the first year of enrollment.

(3) To assist students in their development of career goals and objectives.

(4) To help entering students develop fundamental study skills and habits.

(5) To encourage entering students to examine the purposes of a liberal arts education and to develop their educational goals.

As part of the course requirements for Freshman Orientation 120, students will be required to attend certain programs and activities.

Eight national Greek-letter fraternities and sororities are chartered on the campus: Alpha Kappa Alpha, Delta Sigma Theta, Zeta Phi Beta, and Sigma Gamma Rho sororities, and Alpha Phi Alpha, Kappa Alpha Psi, Omega Psi Phi, and Phi Beta Sigma fraternities. Campus policies governing these organizations are implemented by the Pan Hellenic Council, which also coordinates activities of these eight organizations. Also represented are Alpha Phi Omega service fraternity and the Groove Phi Groove Social Fellowship, Inc. The Office of the Assistant Vice President for Student Affairs has responsibility for advising these groups and the Greek-letter organizations.

Another activity of this office is to provide advising to international students and assist them in understanding regulations which will facilitate their transition to the institution and the community and enhance their educational experiences as students.

Campus Ministry

This office functions to facilitate an environment in which persons in the campus community may realize as fully as possible their potential for spiritual growth. In the fulfillment of this function, campus ministry endeavors to serve the interpersonal and personal needs of the campus community as such needs are related to spiritual and religious life. It provides activities offering opportunities for individual and group expression of religious interests and services, e.g., worship, seminars, and workshops. Organizations which channel the talents and commitment of students in the religious life of the campus are also under the sponsorship of Campus Ministry: Student Christian Association, and spiritual choirs. Counseling as it relates to religious concerns and problems is provided through Campus Ministry. It also serves as a liaison between the campus and the religious community of the greater Charlotte area.

Student Union and Student Activities

The University Memorial Union is more than simply a building—it is an organized program having as its major goal the facilitation of the holistic development of the student—the whole person. It serves as a laboratory training site for students developing social leadership and responsibility, fosters a closer relationship between study and leisure time, offers opportunities for self-actualization, and encourages the development of competency in individual and group interaction. It is a community center for the campus, fostering social, recreational, cultural, educational, and individualized interest activities.

The program of student activities is a means by which students engage in living-learning experiences in an informal curriculum apart from the classroom. It is intended to provide activities for the development of responsible group participation and avenues for social interaction, for creative use of leisure time, and for cultivation and expression of varied students' interests.

The program is administered through an organizational structure consisting of a professional staff and a Union Program Board which functions through six committees: social, recreational, publicity, fine arts, film, and hospitality.

The Memorial Union building houses the operations of the Union Program Board, Student Government Association, and the Student Lounge. Meeting and conference rooms are available to the entire University community. Further, the Greenlee-Spaulding Dining Hall, snack bar, the University Post Office, bookstore, health center, J. A. Grimes Lounge and faculty/staff dining room are housed in the Union building.

This office is also responsible for maintaining a list of all registered student organizations and for registering those organizations that wish to remain active on the campus. Cooperative efforts are engaged in with residence hall staff, officers of student organizations, faculty, and staff to help promote an understanding of the Union's resources. Individuals and groups needing assistance in planning and implementing activities may seek assistance from the Office of Student Union and Student Activities. Activities provided include concerts, lectures, carnivals, workshops, dinner theaters, tournaments, cabarets, receptions, and banquets which allow for interaction between members of the entire University community. Efforts are also made to include faculty and staff in various departments to promote activities germane to their respective disciplines. The main objective is to help enhance the Student Union and Student Activities program as an instructional resource.

Special Services

Special Services is a federally funded academic support program that serves a select number of freshmen students attending Johnson C. Smith University. The purpose of Special Services is to provide necessary services that will encourage and assist a student to remain and graduate from the University. Various services offered include academic advisement, tutoring in math and foreign language, individualized English lab sessions, career development and cultural enrichment activities.

Upward Bound

The Upward Bound project is a pre-college preparatory program designed to assist students meeting the Department of Education's guidelines to (a) raise their high school grades, (b) determine their career goals, and (c) participate in a program of studies and activities aimed toward skill building and personal growth which will enable

them to move into some form of successful post-secondary experience after high school.

The target group to be served includes those low-income and/or potential first-generation college students who have potential for success in a two- or four-year college but who, without the program, would not be likely to gain admission to or successfully complete college due to inadequate preparation and/or under-achievement. Students may enter the program in the summer prior to their sophomore year of high school and continue through the summer immediately after their high school graduation.

The program includes a curriculum designed to develop competencies in basic academic skills, creative thinking, effective expression and positive attitudes toward learning which are needed for post-secondary educational success, some health services, comprehensive counseling services, and such recreational and cultural activities as deemed appropriate to enhance the student's success in a college of his or her choosing.

Residence Life/Living and Learning

Housing for students is provided in University-operated student residence halls. An individual must be admitted to the University before an application for housing will be accepted. The housing application must be filed each year. It is accompanied by the "Terms and Conditions of Occupancy—Student Housing Agreement" and should be read carefully and in its entirety before the student signs the housing application/contract. Acceptance of a housing assignment constitutes an agreement by the student to the terms and conditions accompanying the assignment.

The initial application for housing must be accompanied by a refundable deposit, which is a part of the procedures for being admitted to student housing. This deposit is not applied to the student's cost of room and board but is refundable to the student if the room is left in good condition at the time the student graduates or otherwise terminates his or her matriculation for academic or medical reasons.

Notification of approved housing is given via a "Student Housing Assignment" form which is sent to the student. Since enough space to house all students who wish to live on campus is not always available, some students run a risk of not being able to secure on-campus housing. Such individuals should have made definite arrangements for off-campus housing prior to coming to the University. The Office of Residence Life/Living and Learning maintains a list of names of persons in the community who provide housing to students, although the University assumes no responsibility for the condition of such housing, terms of accommodations, supervision, etc.

Student housing and residential life is an important part of the educational experience. "Living and Learning" experiences are an important

focus which emphasize students' learning through residence hall government, social, cultural, and educational programs which help students in developing personal skills; recreational and social programs exist to help students develop interpersonal skills and relationships.

Financial Aid

Application Procedure. A student must file an application for student financial aid each academic year. One annual application, when properly completed, will place the applicant in consideration for any aid funds administered by the Student Financial Aid Office. Applications should be filed with the Director, Office of Student Financial Aid, Johnson C. Smith University, Charlotte, North Carolina 28216.

All applicants for financial assistance must submit a statement of financial resources. All students and parents are requested to complete either the Family Financial Statement (FFS) which is processed by the American College Testing Service (ACT) or the Financial Aid Form (FAF) which is processed by the College Scholarship Service (CSS). These applications can be used for the Pell Grant Program also. All information and instructions should be read carefully and in their entirety to ensure that the application has been completed correctly. These forms are available at high school guidance offices and at the Student Financial Aid Office at the University. Students who expect to receive academic scholarships, athletic grants, or music grants must submit their applications in the same manner as those who apply for federal assistance. Submission of materially false information in the application or school transcript will subject the student to immediate revocation and termination of his or her acceptance for admission. Such revocation of admission and enrollment shall be made by the Vice President for Academic Affairs. An appeal of this decision may be made to the President, whose decision shall be final.

The institution's financial aid office will accept either the Financial Aid Form processed by the College Scholarship Service (CSS) or the Family Financial Statement processed by the American College Testing Service (ACT).

As a general rule, the deadline for all applications is April 15 of each year; however, applications are accepted after this date for students who are admitted after April 15.

A student's eligibility for the Pell Grant award is taken into account in the amount of aid awarded from funds administered by the institution. The Pell Grant will likely constitute a considerable portion of the total amount of aid awarded; however, it is imperative that applicants file Pell Grant applications as soon as the forms are available.

Satisfactory Academic Progress

Johnson C. Smith University's primary purpose is to create and support an educational environment in which students may develop their intellectual potential. While the University is committed to extending its fiscal and human resources in pursuit of this goal, students must have some responsibility for their own education and must pursue and complete academic coursework which will permit them to meet baccalaureate degree requirements within a reasonable time frame.

Accordingly, and in compliance with appropriate and applicable federal regulations and requirements, Johnson C. Smith University shall adhere to the following definitions of and policies for the determination of "Satisfactory Academic Progress." Any petitions for exemptions to the requirements set forth herewith may be examined by the University's Committee on Admissions, Academic Standards and Financial Aid. The petitions must be in writing and must be specific as to the nature of the unusual circumstances for which an exemption is sought.

Upon finding an appropriate cause of action, this committee may grant exception to the standards here set forth on an individual case basis with the understanding that such exceptions will not undermine either the intent of this policy or governing federal regulations for Title IV Student Financial Assistance.

Maintenance of Student Financial Assistance

All students expecting to receive financial assistance from sources through Title IV programs and/or Institutional funds must meet certain minimum standards to show progress towards completing graduation degree requirements. The scale indicated under the section titled "Maintenance of Academic Standards and Satisfactory Academic Progress" will show minimum standards needed to maintain eligibility for financial assistance.

Students will be reviewed by the Committee on Admissions, Academic Standards and Financial Aid at the end of the academic year to determine what progress is being made toward completing degree requirements. However, the institution recognizes that in some cases students may not be performing at a level where it is mathematically possible for them to complete the minimum requirements within an academic year. In these cases, the institution will notify the student of his/her eligibility to continue to receive financial assistance.

Other Requirements

PART-TIME—Any student registering for less than 12 semester credit hours will be considered part-time. Satisfactory progress will be reviewed based on the completion of course-work and expected graduation plans as a part-time student. It is expected that part-time students will maintain the average required for their classification. Their progress toward graduation will be reviewed by the Committee on Admissions, Academic Standards and Financial Aid.

WITHDRAWALS—Individuals withdrawing from the University within the first eight weeks will not be penalized for unsatisfactory progress. However, students who withdraw after the eight week period will not be eligible to receive financial assistance for the next semester. Consideration will be given to students who withdraw for medical reasons or extreme family hardships. Written verification will be necessary to prove such cases. The Committee on Admissions, Academic Standards and Financial Aid will review such cases.

REPEATED COURSES/INCOMPLETES—For purposes of receiving Federal funds under Title IV Student Financial Aid Programs, students receiving incompletes and/or repeating course work must, to the extent possible, successfully make up those credit hours within the subsequent semester in which the student is enrolled. Consideration will be given in cases where such coursework is not offered in the subsequent semester. Extension of time may be granted by the Committee on Admissions, Academic Standards and Financial Aid.

ACADEMIC PROGRESS DURING ATTENDANCE AT OTHER INSTITUTIONS—If a student attends another institution during a period of denial of financial assistance, the student must demonstrate the completion of a minimum of six hours in approved University coursework with a GPA of at least 2.00.

Any course taken must be approved in advance by the appropriate instructor, adviser, department chairperson and the registrar. A review of such coursework activity will be undertaken by the Committee on Admissions, Academic Standards and Financial Aid before approving financial assistance.

DEGREE/GRADUATION REQUIREMENTS—In all cases students must be working toward graduation/degree requirements. Individuals taking more than five academic years in succession to complete the necessary requirements may be refused financial assistance. Each student will be reviewed by the Committee on Admissions, Academic Standards and Financial Aid to determine the progress made toward the completion of degree requirements.

Membership in the University

Attendance at Johnson C. Smith University is based on an agreement with the University, not an inherent right. Each student is obligated as part of this agreement to observe the reasonable rules and regulations of student life in the University as found in this catalog, in the Student Handbook, in housing regulations governing life in the residence halls, and in other policies and procedures in official University publications.

The University reserves the right to cancel the enrollment of any student who breaches this agreement and violates the rules of the University when it is determined through the established process that a student has breached such rules.

The basic standards, policies, procedures and rules for student life are set forth in the Student Handbook and are supplemented by policies and procedures specific to the various administrative and academic offices.

INSTITUTIONAL FUNDS—Institutional funds awarded to students (i.e. Athletic Grant-In-Aid, Music Scholarship, Academic Scholarship, Remitted Tuition, etc.) are subject to the standards and policy herein described.

STATE PROGRAMS—Various programs offered through State agencies carry eligibility requirements which include satisfactory progress. Some Guaranteed Student Loan Programs also require the completion of at least 30 hours per academic year and a 2.00 cumulative GPA.

APPEALS PROCEDURE—Any student who wishes to appeal a decision made by the Committee on Admissions, Academic Standards and Financial Aid must inform the Committee in writing of his/her reason(s) for reviewing his/her academic record. All appeals should be forwarded to the Director of Admissions, Chairperson of the Committee on Admissions, Academic Standards and Financial Aid, Johnson C. Smith University, Charlotte, North Carolina 28216. Students will be notified as to the decision of the committee within a one week period.

MITIGATING CIRCUMSTANCES—Due to the additional requirements set forth by the Federal Government and the importance of student notification, catalog revisions and consumer information, the policy will not be enacted retroactively, but will become effective with the 1984-1985 academic year. The policy will be reviewed periodically in order to determine its effectiveness and purpose.

MAINTENANCE OF ACADEMIC STANDARDS AND SATISFACTORY ACADEMIC PROGRESS

ACADEMIC STANDARDS

All students are expected to maintain a 2.00 cumulative grade point average while in attendance at the University. In many cases, students are capable of completing their degree requirements by earning an average of 16 hours per semester, within a 4 year period. The Institution urges all students to work toward completing their degree requirements within the 4 year time frame. However, students who fail to maintain such expectations may continue to work toward achieving such standards by maintaining certain minimum academic requirements.

The scale indicated under this section is being provided to show the qualitative and quantitative standards needed to show progress for continued matriculation.

ENROLLMENT STATUS

In order to be full-time, a student must be enrolled for a minimum of twelve (12) semester hours. Any student enrolled for less than twelve (12) semester credit hours is considered a part-time student.

ACADEMIC PROBATION, SUSPENSION AND DISMISSAL

ACADEMIC PROBATION

Any student who fails to meet the standards of the scale under this section will be placed on probation, suspended or dismissed according to the policies under the Academic Program on page 48.

*SATISFACTORY ACADEMIC PROGRESS SCALE

FULL TIME STATUS

SEMESTER	CUMULATIVE CREDIT HOURS EARNED	CUMULATIVE GPA
1	10	1.60
2	20	1.70
3	32	1.80
4	44	1.90
5	56	2.00
6	68	2.00
7	80	2.00
8	92	2.00
9	107	2.00
10	122	2.00

PART TIME STATUS

¾ TIME STUDENT (9-11) credit hours.
BACHELOR'S (122) credit hours.

ACADEMIC YEARS COMPLETED	1	2	3	4	5	6	7	8	9
CREDIT HOURS COMPLETED	13	26	39	53	67	81	95	100	122

½ TIME STUDENT (6-8) credit hours.
BACHELOR'S (122) credit hours.

ACADEMIC HOURS COMPLETED	1	2	3	4	5	6	7	8	9	10	11	12
CREDIT HOURS COMPLETED	10	20	31	41	52	62	72	83	93	100	115	122

*The Satisfactory Progress Scale is subject to change.

POLICY STATEMENT ON INSTITUTIONAL SCHOLARSHIPS

While Johnson C. Smith University is committed to providing needed scholarship funds to students who have exemplified academic excellence, resources that are currently available can only be appropriated to assist in covering direct educational costs. These costs may include tuition, fees, room, board (when applicable), and books.

Additionally, financial assistance provided through the University is based on "need". The "need" factor is determined by the amount of financial assistance and available resources a student receives subtracted from the institution's budget. While total educational budgets may exceed direct educational costs, gift aid and/or scholarships that are packaged with other Federal or State aid, or singularly awarded, may not exceed direct financial need. Therefore, if a student receives additional financial assistance from any outside source, the institution reserves the right to reduce the amount of gift and/or scholarship assistance accordingly.

Johnson C. Smith University Scholarships may consist of funds which the University has solicited from external agencies. Examples may include UNCF Scholarships, Fleischmann Scholarships, Duke Scholarships and other scholarship funds received from external agencies. Hence, students receiving such external scholarships may have their original awards adjusted to prevent total scholarship awards from exceeding demonstrated financial need.

Specific reasoning for this pertains to 1) the availability of funds and 2) the equitable distribution of funds to all students who have proven academic excellence.

UNIVERSITY POLICIES AND REGULATIONS PROGRAM STUDENT FINANCIAL AID

Eligibility for Student Financial Aid

Students are considered to be making sufficient academic progress to remain eligible for student financial aid if they maintain an academic average according to the scale which appears on the previous page.

The current policy regarding Satisfactory Academic Progress is subject to change.

Students who become ineligible because of academic probation will remain ineligible until their academic average is brought up to the scale above. Students who withdraw from the University after eight (8) weeks of attendance will not be entitled to receive financial aid for the next semester.

Transfer students must meet the same requirements as regular students to be eligible for financial aid.

Scholarships

Academic Scholarships: Scholarships are awarded on the basis of a student's academic achievement. They are meant to recognize, encourage and assist young men and women who demonstrate lead-

ership potential in a chosen field of study. Financial need generally is not a factor in making these awards, although the amount of the stipend assigned to each winner will vary with the financial circumstances of the recipient.

Funds for these awards are made available through endowments contributed by concerned individuals and organizations.

A limited number of academic scholarships (Duke Scholars) are offered in the freshman year, primarily to participants in the Honors Program. Recipients are selected from high school seniors with very high scores on the Scholastic Aptitude Test (SAT) and exceptional high school records. Scholarship to recipients who maintain the highest cumulative averages, 3.00 (B) and above, will be considered for renewal if funds are available.

North Carolina Scholarships: Johnson C. Smith receives state support based on the number of North Carolina residents enrolled. All in-state students who apply for aid from the University and show need for financial assistance will be given consideration for these scholarships. *Music Scholarships:* Music scholarships are available to persons who demonstrate exceptional skills in choir and band. Recipients of these awards must be recommended by either the choir or the band director at Johnson C. Smith.

Grants

The Pell (Basic) Grant Program: The Education Amendments of 1972 authorized a new program of financial aid, the Basic Educational Opportunity Grants (BEOG). This program provides awards to students based on an eligibility index as determined by a central processing agency. The grant provides up to one half of the actual cost of attendance at the institution but must not exceed the student's determined need. A Pell (Basic) Grant application must be filed each year according to instructions. Students may obtain forms from high school guidance offices, post offices and the Johnson C. Smith University's Financial Aid Office.

Supplementary Educational Opportunity Grant (SEOG). The purpose of the SEOG Program is to provide grants to students who demonstrated financial need. Amounts of SEO Grants will be determined by the funds available to the institution.

Athletic Grants-in-Aid: Grants-in-Aid are available to students with athletic ability. Awards are made for performance in football, basketball, track, tennis, golf, and swimming, but recipients must be recommended by the coaches in each department.

Loans

National Direct Student Loans: The National Direct Student Loan (NDSL) Program, formerly the National Defense Student Loan Program, is supported by contributions from the federal government, the institution, and repayment from previous borrowers. These loans are available to undergraduate students, dependent upon the extent of the student's need and the availability of funds.

A borrower for his first two undergraduate years may receive up to $3,000. A borrower who has completed two undergraduate years may borrow up to $6,000. The maximum NDSL is $12,500 for dependent students and $15,000 for independent students.

Repayment of a National Direct Student Loan does not begin and interest is not charged as long as the borrower is enrolled at least half time at a institution of higher learning. Repayment of principal, plus 5% per annum, begins six months after the borrower ceases to be at least a half-time student. A ten year repayment period is possible for large indebtedness. The repayment periods can be extended to ten additional years for proven low income individuals.

Repayment installments may be postponed for a maximum of three years if the borrower is a member of the military service, Peace Corps, VISTA, Public Health Service, Temporary Total Disability, and service in an internship proceeding professional practice i.e. doctor, law.

Guaranteed Student Loans: The Guaranteed Student Loan Program provides loans from private lenders (banks, credit units, and the like). Interest is at 8% per year for new borrowers with the federal government paying the interest during the period for those students who qualify for the federal interest benefit. The interest rate is 7% or 9% for students with old outstanding Guaranteed Student Loans.

Procedures for applying for Guaranteed Loans may differ in each state. Application forms may be obtained from the lending agency itself or from the Financial Aid Office at the University.

Loans to Parents: Parents may borrow up to $3,000 per year for the student's educational needs. Repayment is required to begin 60 days after disbursement. There is no in-school federal interest subsidy on these loans. Parents may contact the guaranteed loan agencies in their states for further information. The maximum aggregate loan is $15,000.

Part-Time Employment

College Work-Study: The federally supported College Work-Study Program provides jobs for students clearly in need of assistance to enter or to continue in school. Jobs are available in all areas of the University.

Students approved for the College Work-Study Program are allocated a specific number of hours which they may work during the

academic year, based on the extent of their financial need. Usually a student works fifteen hours per week. Annual renewal of a Work-Study assignment is dependent upon the student's application for the job, the financial need, and the employer's satisfaction.

Institutional Work Aid: The University provides funds for employment of a limited number of students who show lesser need or who do not qualify for the federal College Work-Study Program. The Institutional Work Aid Program follows the same principles of the College Work-Study Program in terms of hours, wages, and pay periods. Payment is made as a direct credit to students' accounts.

Scholarships

A limited number of scholarship awards and prizes are available to students with exceptional skills in given areas. Funds for these awards are provided by private donors and companies that are patrons of the University. Interested students may inquire at the Office of Student Financial Aid concerning the eligibility requirements for the awards.

Johnson C. Smith President's Club
These awards were initiated by Dr. Wilbert Greenfield, the tenth president of Johnson C. Smith University. Presidential scholars are chosen from students in the rising Sophomore, Junior, and Senior classes with the highest academic average.

Peat, Marwick, Mitchell and Company
This New York based accounting firm offers this scholarship to students with proven academic performance in the area of Accounting. This award is unendowed.

Jack S. Brayboy
This athletic award was established as a memorial. Dr. Brayboy was former Athletic Director and Vice President for Administrative Affairs. This endowed scholarship award is given to the athlete with the highest academic average.

Reader's Digest Endowed Scholarship
This scholarship is provided by a grant from the Reader's Digest Foundation through its scholarship program. The annual income from the fund makes scholarship assistance available to highly qualified upperclassmen who prove to be in need of financial assistance.

National Presbyterian College Scholarship
This scholarship is for superior young people preparing to enter as freshmen into one of the fifty-two (52) colleges related to the Board of Christian Education, United Presbyterian Church, USA of which Johnson C. Smith University is included.

Greyhound Corporation Scholarship
Student(s) must be an incoming Freshman. Awardees must have a definite financial need. They must have the potential to successfully attain passing grades.

Armour-Dial Scholarships
This scholarship is for Sophomores only. The student(s) must have received a Greyhound Corporation scholarship during his or her freshman year. The Armour-Dial award will be in the same amount the student(s) received as a Freshman. They must have passing grades.

Jefferson Pilot Broadcasting Scholarship
This is an award established by a Charlotte based broadcasting company for highly qualified students needing financial assistance.

Dr. and Mrs. Israel L. Glover
The Dr. and Mrs. Israel L. Glover award was established at Johnson C. Smith University in memory and honor of Dr. Israel L. Glover, a 1935 graduate of Johnson C. Smith University, by his wife. Dr. Glover earned his doctorate in Mathematics from Oklahoma State University in 1955. This award is given in his honor to the student with the highest average in Mathematics.

Morrison Scholarship Award
The Morrison Scholarship Fund was established at Johnson C. Smith University by Eugene C. Morrison in memory of his mother and father, Susie and James Morrison. The income derived from the endowment is awarded to a student who is in need and demonstrates integrity, ambition and the ability to become involved.

Arthur Henry George Scholarship Fund
This scholarship is named in honor of former Dean of Men, Professor of Practical Theology and Dean of the Seminary at Johnson C. Smith University. This award is given to students interested in Religious Education.

Shell Assist Scholarships
These awards are given by Shell Oil Company. They are awarded to outstanding students in the area of Business regardless of financial need.

Joseph Grimes Scholarship Fund
This award is named for Johnson C. Smith University's first Dean of Men. Any student needing financial assistance is eligible for this award.

J. A. Jones Construction Company Scholarship Fund
Established by the J. A. Jones Construction Company to promote academic excellence, it is awarded to National Merit Scholarship semi-finalists and National Achievement Scholarship Program semi-finalists.

Eastman Kodak
This is an employment matching grant. Given in honor of former graduates of Johnson C. Smith University employed by Eastman Kodak. These awards are restricted to students in the area of Chemistry.

Martin Luther King Scholarship Fund
This endowed scholarship fund was established by the New York chapter of Johnson C. Smith University Alumni Association. These

funds are awarded to any student showing academic promise and needing financial assistance.

Edward J. Weddington Scholarship Fund
This award is named in honor of a 1947 Johnson C. Smith alumnus. This scholarship is restricted to students interested in the area of Music.

Clorox
This award is given by the Clorox Corporation. It is awarded to students interested in the area of Business.

John Hairston Scholarship Fund
This scholarship was established by the Los Bravos Club of Charlotte in honor of the 1954 Johnson C. Smith University alumnus. This scholarship was established to assist athletes needing financial assistance.

Dr. and Mrs. Simon H. Scott Memorial Fund
Students will be considered for this scholarship from the Atlantic Presbytery. Recipients will be selected by the family.

Dewey M. Clayton
This award is named in honor of a 1947 alumnus of the university who served on the Board of Trustees. This award is given to students interested in Pre-Med and Science.

Horace A. Davenport
This is a recently endowed scholarship fund established in the honor of the judge now serving in Pennsylvania and on the Board of Trustees of the University.

Duke Endowment Scholarships
The Duke Endowment is a perpetual trust created by James B. Duke in 1924. These awards are given by the James B. Duke Foundation. They are awarded to students with high academic promise and honor averages.

Aetna Scholarship Fund
This unendowed award was established to assist students with proven financial need.

The Rev. Dr. Raymond Worsley Scholarship
This scholarship is in cooperation with the First United Presbyterian Church of Charlotte, North Carolina and awarded to a student who has been selected in accordance with guidelines approved by the Office for Academic Affairs.

The A. O. Steele Scholarship is given by the Community Leadership Training Class in Religious Education to the freshman making the highest yearly average in religious education.

The Jefferson Standard Scholarship of $600 is provided annually by the Jefferson Standard Foundation for a major in business administration.

The Alpha Kappa Mu Honor Society Award is given to a sophomore student with the highest average.

The Samuel W. Byuarm Award, presented by the National Council of Christians and Jews, is for students who have demonstrated an interest in promoting human relations.

The Robert L. Douglas Memorial Scholarship in Mathematics is awarded by Dr. Clarence F. Stephens, a graduate in the Class of 1938, in honor of the late Dr. R. L. Douglas, who served for a number of years as professor of mathematics at the University. This scholarship of $100 is awarded annually to a junior or senior mathematics student who has demonstrated ability and enthusiasm for graduate study in mathematics.

The Catherine Hughes Waddell Memorial Scholarship, a merit scholarship of $500, is awarded to the best all-around student in scholarship and campus citizenship.

Neal-Brooks
This award was started by students in honor of two chemistry professors, Mrs. Vietta Neal and Mr. U.S. Brooks. Students majoring in mathematics and the sciences are eligible for the award.

Other Forms of Educational Assistance

Other sources of financial aid not administered by the Student Aid Office are available for assisting students in meeting their educational expenses. Assistance from outside agencies or programs may provide the full amount needed by the student, or it may be combined with an award from the University to meet this need. Information about other forms of aid can be made available upon request.

Career Planning and Placement/Cooperative Education

Career Planning: Students are assisted in career exploration and planning through career and vocational counseling and through the maintenance of a library of career information.

Job Placement: The Career Planning and Placement Center provides assistance in seeking part-time, summer, and career employment. The center maintains contact with business, industry, school systems, government, and nonprofit and educational organizations. It provides job listings and schedules campus recruitment visits and interviews by representatives of these organizations. Credential services are provided for those persons who are registered with the center. These services are available to undergraduates, graduating seniors, and alumni. Students are given assistance in interview techniques, in techniques of job seeking, and in selection of positions in which their training and capabilities will best be utilized.

Cooperative Education: The Cooperative Education Program is designed to expose students to the actual world of work in order to assist them in applying the knowledge and principles learned in the classroom to work experience. This program integrates classroom expe-

rience with on-the-job work experiences in industry, business, or service occupations.

Participation in the program could cause graduation to be delayed by one or two semesters, but the rewards are well worth the delay.

COUNSELING AND TESTING CENTER

The Counseling and Testing Center was created to assist young men and women of the University in confronting obstacles that interfere with academic, personal, and social growth during and after matriculation. Primary emphasis is on fostering the student's academic, intellectual, social, emotional, and physical development through the freshman orientation experience, individual and group counseling sessions and academic counseling and advising.

Four interrelated components comprise the Counseling Center: (a) personal and social counseling, (b) testing, (c) educational support, (d) academic advising/counseling for freshmen, sophomores and undeclared majors.

The freshman orientation experience is the initial exposure of all entering freshmen and transfer students to the University. During this period, students take a series of placement tests administered through the Counseling and Testing Center. From the results of these tests, students are advised and assigned to appropriate courses.

Through the Counseling Center, academic advising is coordinated for freshmen, sophomores, and undeclared majors. Students report to their advisors during registration and periodically throughout the semester to plan and discuss academic schedules, identify interests, and target majors.

For students experiencing academic difficulty, support services are available through tutorials, counseling and the writing center. Tutorials, in a variety of subjects, are provided by the Special Services Office and the Counseling Center. To assist in this effort, peer counselors, who are students employed through the Center, are available to tutor and serve as peer helpers to all students where a need arises.

In the context of confidentiality, professional counselors assist students with personal, social, educational, emotional and academic needs. The goals are (1) to increase students' awareness of self in relation to surroundings and to others; (2) aid in the development of healthy coping mechanisms as the demands of college are encountered, and (3) foster the acquisition of personal and academic skills to be used for survival and success in the educational environment.

Educational support programs such as seminars, films, and discussions on a variety of topics (e.g., test taking, study skills, and time management) are available for academic departments to assist students in developing and refining skills. Other seminars dealing with personal issues, such as male and female relationships, drugs and alcohol, con-

flict management, are also available and are beneficial to overall growth and development.

Testing services assist students in evaluating personal strengths, aptitudes, interests and achievements. Coordination of standardized testing programs administered by the University as well as those administered for off-campus agencies as a service to students, e.g., graduate and professional school examinations, is a function of the Counseling Center. Additionally, information regarding examinations, dates and application procedures is provided through this center.

STUDENT HEALTH CENTER

The institution maintains a minimal health care service for the treatment of minor illnesses, accidents, and injuries. Health supervision and medical care are provided through a staff of one full-time nurse, two part-time nurses, and a part-time physician.

A physical examination is required of all new students before they are permitted to register at the University. Also, former students who have not been enrolled for a period of one year or more will be required to submit a current health examination form before they will be allowed to register.

All enrolled students are permitted to consult with the Health Services staff, including residential and commuter students.

Individuals reporting to the Health Center for treatment may be given the initial doses of some medication and drugs. Prescriptions for subsequent drugs and medical needs and medication beyond the initial dose provided by the Health Center will be given to the student to fill at his or her own expense. Specialists are frequently needed for students' illnesses and injuries which go beyond the scope of the Health Center. In such cases the Health Center staff will refer students to recommended specialists. The cost of the services of specialists will be the responsibility of the student and his or her parents.

While the University does not provide student transportation to off-campus medical facilities, it does facilitate access via a cab voucher system which allows the student to secure transportation and delay payment if personal funds are not immediately available. Ambulance services are used in cases of serious illness or injury.

Students in need of hospital care will be referred to hospitals in the city. The cost of hospitalization, likewise, is the responsibility of the student and his or her parents.

Student accident and sickness insurance is part of the student health care program. All students are included in the insurance program at a nominal cost which is included in the registration fee. The insurance is provided as a supplement to the coverage available through the student's family insurance plan. The program is not intended to be comprehensive or to replace the family's responsibility for the student's health care. The cost of health care beyond that provided through the

Health Center or covered under the student accident and sickness insurance is solely the responsibility of the student and his or her parents.

North Carolina law requires that all students enrolling on July 1, 1986 or after, either for the first time or returning after some period other than the summer, be required to show proof of having received required immunizations. Students who cannot show evidence of having received the immunizations will be withdrawn from the University in accordance with state law.

ATHLETICS

Physical education, health, and athletics are considered integral parts of the total educational program offered at Johnson C. Smith University.

The University is a member of the Central Intercollegiate Athletic Association, the National Collegiate Athletic Association, the National Association of Intercollegiate Athletics, the American Tennis Association, and the National Intramural Association.

INSTITUTIONAL DEVELOPMENT PROGRAM

The University is providing financial support for the Student Services Programs in order to expand the counseling services to the students who enroll at the University.

The objectives of the Student Services Programs are:

—To provide more adequate counseling and testing services for students who must compete for new opportunities in today's professional market place

—To establish a program of supervised, practical, on-the-job experiences

Student Services Programs

To provide a comprehensive core of services for a student population which includes blacks, American whites, and several foreign students who bring to the campus community the particular press of their ethnic backgrounds

Cooperative Education. To establish a program of supervised, practical, on-the-job work experiences that are directly related to the student's career goals and integrated with classroom study

Career Counseling and Placement. To provide career development for all Johnson C. Smith University students

Counseling and Student Development. To provide a learning support system that will facilitate development and utilization of academic survival skills

INSTITUTIONAL DEVELOPMENT PROGRAM

The student affairs programs are currently receiving financial support from the University's budget. The student service activity consists of the following components:

1. *Career Counseling and Placement*—designed to enable freshman and sophomore students to gain insight into their own career-related interests and talents; and to assist junior and senior students to explore and gain entry into graduate and professional school programs.

2. *Counseling and Student Development*—designed to provide a learning support system through a learning assistance laboratory for the development of academic survival skills; and to help students develop test-taking skills and strategies.

3. *Cooperative Education*—designed to offer a program of supervised, practical, on-the-job work experiences that are directly related to the student's career goals and integrated with classroom study.

ADMISSIONS

REQUIREMENTS FOR ADMISSION

Johnson C. Smith University will accept, without regard to race, color, sex, or national origin, all qualified applicants approved by the Admissions Committee.

Admission to the freshman class is generally limited to recommended graduates of accredited secondary schools who rank in the upper two thirds of their class and who have taken the College Board Exams (SAT). These students should have a minimum of sixteen units, including four units of English, two units of mathematics, two units of social science, and one unit of science.

Johnson C. Smith University will accept a limited number of academically high risk students. Generally, however, applicants graduating in the fourth quarter of their class and those making a low SAT score may not be considered for admission.

The Admissions Committee, after reviewing the total record of an applicant, may decide one of the following: first, to admit the student to the regular freshman class but to require the applicant to take such needed courses as may be determined by the placement tests; second, to offer suggestions of other educational programs which may better serve the applicant's needs.

Submission of materially false information in the application or school transcript will subject the student to immediate revocation and termination of his or her acceptance for admission. Such revocation of admission and enrollment shall be made by the Vice President for Academic Affairs. An appeal of this decision may be made to the President, whose decision shall be final.

FORMAL APPLICATION

Every candidate for admission must make formal application to the director of admissions. The student must request an application blank from the director of admissions, complete it properly, and return it with the application fee of ten dollars (check or money order made payable to Johnson C. Smith University). THIS FEE IS NOT REFUNDABLE.

Applications for admission are accepted at any time during the year, but all credentials must be on file in the Office of Admissions at least two months before the beginning of the semester in which the applicant plans to enter.

BASIS FOR SELECTION

The decision of admittance is based on the following:

1. Secondary school record
2. Level of performance on the Scholastic Aptitude Test of the College Entrance Examination Board (SAT)
3. Predicted degree of success based on class rank, size of class, and standardized test scores

ACCEPTANCE NOTICE

The application for admission will be processed immediately after the required credentials have been received, and the student will be notified of the decision of the Admissions Committee. A permit to register will be mailed to the approved applicant after the final records, the certification of graduation from high school, and the pre-entrance medical record have been received. APPLICANTS WILL NOT BE ALLOWED TO ENROLL IN JOHNSON C. SMITH UNIVERSITY WITHOUT A HEALTH RECORD ON FILE IN THE UNIVERSITY HEALTH CENTER.

Applicants for admission may arrange to visit the University. This visit, however, is not a requirement for acceptance. Appointments for such visits should be made in advance.

TRANSFER STUDENTS

An applicant from another accredited college or university may be considered for admission to Johnson C. Smith University if the student has an overall average of C or above. No transfer credit is given for any course in which the applicant has earned a grade below C. Each transcript is evaluated on its own merits in light of its conformity with the program of study in the curriculum of Johnson C. Smith University.

The Admissions Committee will consider favorably only transfer applicants who are in good standing with the institution from which they are transferring.

The University generally will accept a maximum of sixty-four credit hours from a junior college, and ninety from four year institutions. Credit hours, not grade points, are transferred.

EARLY ADMISSIONS

Johnson C. Smith University will consider those high school students who have completed their junior year and accrued 15 carnegie units. They must present evidence of accelerated academic performance and maturity. The Admissions Committee will not consider an applicant without the parents' and proper high school officials' consent. Scholastic Aptitude Test scores and interviews are required.

FOREIGN STUDENTS

A prospective foreign student is required to submit the following materials before an admissions decision can be reached on the application:

1. An application form furnished by the director of admissions
2. An original or a certified photostatic copy of a transcript of work completed on the secondary level and, if applicable, on the college level
3. Evidence or proof of proficiency in English (TOEFL)
4. A statement indicating that the applicant's financial resources will enable the student to meet U. S. study costs
5. One full year of tuition and fees is required as a retainer fee before the release of the I-20 Form if you live off campus. If you live on campus, one full year of tuition, fees, room and board is required before the release of the I-20 Form.
6. Three letters of recommendation acknowledged directly from their senders
7. A health certificate
8. A certified chronological list of all courses taken from the beginning of elementary school to the highest level attained. (A foreign student attending another U. S. institution will not be considered for admission on a transfer basis until the applicant has completed at least one semester—preferably one year—of study at the institution which issued the I-20 form.)

SPECIAL STUDENTS

Applicants, who must be at least a high school graduate, may enter Johnson C. Smith University for the purpose of taking certain courses without becoming candidates for a degree. They will not be subject to the specific requirements for admission but must prove to their instructors the ability to pursue successfully the courses for which they have registered. Such students may later become candidates for a degree by meeting all entrance requirements. Special students will not participate in intercollegiate athletics or other student activities. They will be subject to the same rules and regulations as regular students. APPLICANTS WHO HAVE DONE PREVIOUS COLLEGE WORK MUST BE ELIGIBLE TO RETURN TO THE INSTITUTION LAST ATTENDED. FINAL APPROVAL FOR ADMISSION IS NOT GRANTED UNTIL OFFICIAL DOCUMENT IS ON FILE VERIFYING GRADUATION.

READMISSION OF FORMER STUDENTS

A student who has withdrawn in good standing and who subsequently seeks readmission must apply in writing through the Admissions Office. Re-entering students MUST receive notice of approval before returning to the University. ACADEMIC DISMISSALS MUST APPLY IN WRITING THROUGH THE ADMISSIONS COMMITTEE.

FINANCES

REGULAR FEES

The fees and charges listed herein are applicable to all students. In addition to regular fees and charges, a separate listing of special fees and charges is provided for those persons who may be affected. Travel, clothing, books, and other personal expenses are not included. However, the cost of textbooks and supplies can be expected to average at least $300.00 per year or $150.00 per semester.

Regular Session Fees:	**Per Semester**	**Per Year**
Tuition (full-time)	$1,565.00	$3,130.00
Mandatory Fees		
Student Union/Activity*	57.50	115.00
Athletic	35.00	70.00
UNCF	5.00	10.00
SGA	20.00	40.00
Yearbook**	15.00	30.00
Lyceum Programs	8.00	16.00
Insurance	23.00	46.00
Newspaper	7.00	14.00
Health Fee	43.00	86.00
Total Tuition and Fees	$1,778.50	$3,557.00
Room Charge	443.00	886.00
Board Charge	460.00	920.00
Total Tuition, Fees, Room and Board	$2,681.50	$5,363.00
Additional Charge for Residents of Greenfield Hall	97.00	194.00
	$2,778.50	$5,557.00
Charge per credit hour	$130.00	
Freshman Orientation & Matriculation Fee (One time charge for Freshman and Transfer Students)	$50.00	
Graduation Fee	$55.00	

*Student Union/Activity Fee includes $5.00 annual charge for bus transportation to athletic events and other University sponsored events held off campus.

**NON-REFUNDABLE FEE. Students entering Spring Semester will pay half the total fee for Student Government Association and the total fee for the Student Yearbook.

Tuition, fees, room and board charges are subject to change.

PAYMENTS

Total semester fees and charges are due and payable in full on or before registration of each semester. Any student not making the required full payment of fees and charges will be assessed an additional fee of $24.00 per year for partially defraying the cost of handling an installment arrangement.

Please mail payments not less than two weeks prior to due date or pay in person at the time of registration. Students are strongly urged to pay in advance to reduce the registration procedure time. Remittance of money for school expenses must be made by certified check or money order payable to Johnson C. Smith University. Address payments to the Cashier's Office, Johnson C. Smith University, Charlotte, North Carolina 28216.

Any student desiring an installment arrangement should contact the Financial Affairs Office for plans available. The Financial Aid Office will provide information regarding other Student Loans.

INCIDENTAL FEES

	Per Year
Parking (Day Students)	$10.00
Parking (Boarding Students)	15.00
Admission Application Fee—New Students (No refund or credit on account)	10.00
Room Reservation Deposit (One Time Fee)	50.00
Installment Fee (per semester)	25.00
Meal Card Replacement Fee	10.00
ID Card Replacement Fee	5.00
Graduation Fee	50.00
Student Teaching Fee	30.00
Music Private Lesson Fee (one-half credit hour)	15.00
Music Instrument Use Fee (per semester)	10.00
Ambulance or other medical or dental expense not covered by insurance	Actual cost
Transcript Fee (after first)	3.00
Late Registration Fee (per day; maximum $30.00)	10.00
Dormitory Lost Key Fee	5.00
Bad Check Charge (each time returned)	15.00
Excess Credit Hours (per hour)	130.00
Removal of Incomplete Grade, per course	2.00

AUDITING COURSES

Auditing of courses is open, without credit, to any person upon the payment of all applicable fees. Currently enrolled full-time students may audit courses without additional charges unless total hours exceed eighteen. An auditor is not required to participate in class discussions, to prepare assignments, or to take examinations.

REFUNDS

Eligibility: A student is only entitled to a cash refund when an excess amount of cash has been paid by the parents or the student. The cash refund is calculated on the pro rata share of cash paid and all federal/state restricted scholarship aid received by the student for a semester. The unused share of Pell (Basic) Grant, SEOG, NDSL, state grants, and restricted scholarship aid will be removed from the student's account and redeposited in the respective budgets.

Withdrawal from the University: A student entitled to a cash refund for withdrawing officially from the University must complete the following steps: first, secure six withdrawal cards from the Counseling and Testing Center; second, complete all necessary data; third, obtain official signatures on the card from the counselor, librarian, registrar, Vice President for Academic Affairs and financial officer (the registrar will notify the faculty); fourth, return five of the six signed cards and the identification card to the Counseling and Testing Center; fifth retain one copy for personal files.

NOTE: If the student has a meal card, it must be deposited in the Office of Financial Affairs on the same day required to submit the withdrawal cards.

Students leaving the University at any time after registration without officially withdrawing will be ineligible for a refund.

Changes in Academic Hours: A full-time student is one who is registered for twelve or more hours. Students must pay for all hours in excess of eighteen with approval of the vice-president for academic affairs. A student charged for hours in excess of eighteen at registration must drop these within fifteen calendar days from the first day of registration in order to have charges removed.

A student who is registered for twelve hours or more and decides to reduce the number below twelve hours must do so within fifteen calendar days from the first day of registration in order to have charges removed. Charges will be computed on a per credit hour basis for students officially registered for fewer than twelve hours, and the student will be classified as part-time.

There will not be any charges for changes when the registered course level is between twelve and eighteen hours.

Academic Dismissal, Disciplinary Dismissal, Submission of Materially False Information: Any student dismissed from enrollment at the University at any time during the semester for academic or disciplinary reasons, or for the submission of materially false information in any admission application or transcript shall not be entitled to any refund, any fees, including tuition, that have been previously paid, and shall be liable for any fees that remain unpaid for that semester. Students whose financial aid has been revoked and terminated for submission of materially false information in any application or statement shall be immediately liable for full payment of all fees not previously

paid. Students dismissed for the reasons specified herein, or who have their financial aid revoked, shall save, hold harmless and indemnify the University with regard to any third party claim for payment, refund, reimbursement or other payment of any fees.

Adjustment of Fees: The following schedule will be used in making cash refunds for withdrawing:

Withdrawal Periods (Weeks are counted from first official day of class)	**Percent of Refund**
1 - 2 weeks	85%
3 - 4 weeks	70%
5 - 8 weeks	45%

After eight weeks a student is liable and must pay for all tuition and refundable fees incurred during that semester.

SPECIAL NOTICES AND EXPLANATIONS

1. The University reserves the right to increase or to decrease all fees and charges and to add or to delete items of expense without advance notice as circumstances, in the judgment of the administration, may require. The University is not contractually obligating itself to any fees specified herein, but merely sets here out as estimator of approximate cost.
2. The official date for a student to withdraw from the University is the date affixed upon completion of the withdrawal process. The withdrawal forms are filed with the Office of the Director of Counseling and Testing.
3. Room and Board rates are based on the average cost of operations for the entire school year. These rates include provision for services only during the scheduled operational days. Therefore, allowances have been made for the Christmas and spring holidays when these facilities are closed. Every student is strongly advised to be prepared to vacate the campus premises during these two vacation periods.
4. The University is not responsible for theft or damage to student's personal property arising from any cause.
5. Students who, through malicious or negligent conduct, lose, damage, or abuse University property will be subject to disciplinary action and will be required to pay, at replacement cost, for such loss or damage.
6. Personal spending money or allowances should be sent directly and made payable to the student in the form of money orders or certified checks. The University cannot cash personal checks for students.

7. The diploma and transcripts of records are withheld until the student has paid in full all fees and charges due the University. Moreover, a student in debt to the University in any amount may not be admitted to final examinations in any course or be permitted to register for any subsequent semester or term until the obligations are met. Any student whose account is in arrears by thirty days or more is subject to dismissal from school for nonpayment of fees.
8. Student teachers who are boarding students at the University will be granted credit on their accounts for meals missed during their absence from the campus, provided the meal card is surrendered at the Business Office prior to their official leave. No credit will be allowed on room rent or other fees.
9. The student is responsible for personal laundry and dry cleaning.
10. Cooking or the use of electrical or mechanical cooking appliances in the University residence halls is prohibited.
11. No student whose indebtedness to the University is overdue, in arrears, or in default will be permitted to join a fraternity or sorority.

THE ACADEMIC PROGRAM

REGISTRATION

TIME: All students must register at the beginning of each semester, whether they were in residence the preceding semester or not. Students are required to register in person at the University between 8:15 a.m. and 5:15 p.m. on the days designated. New students will be advised regarding courses and registration procedures during orientation sessions at the beginning of each semester. Dates specified for new students to register are listed in the University Calendar. All students will report for registration as indicated in the University Calendar.

Late Registration: Students may be allowed late registration upon the payment of a late fee of ten dollars per day, but no student will be permitted to register later than the time specified in the calendar.

Changes in Registration: Students who find it necessary to change their program of study after registration MUST make the change through the Registrar's Office on forms provided for that purpose. For any such change the student must obtain the permission of the instructor and the advisor. This procedure is followed for dropping or adding a course.

The adding of courses must be completed before the time for making changes expires.

A STUDENT CHARGED FOR HOURS IN EXCESS OF EIGHTEEN MUST DROP THESE WITHIN FIFTEEN CALENDAR DAYS FROM THE FIRST DAY OF REGISTRATION IN ORDER TO HAVE CHARGES REMOVED.

Changes in Address: All address changes must be reported to the Registrar's Office.

Student Load and Excess Hours: The normal load for all students is 15-18 credit hours. In the Summer Session the normal load is 6 credit hours. Students wishing to take hours in excess of 18 credit hours will be charged for extra hours at the rate of $130.00 per credit hour. The fee for extra hours may be paid on the installment plan for a given semester. (Special permission must be obtained from the Vice-President for Academic Affairs.)

A. Maximum Load

1. During a regular session a student may not enroll for more than 18 hours, except that a student whose average was "B" or better during the previous semester may apply to enroll for additional hours not to exceed a total of 22.

2. Any student who desires to enroll for more than 18 hours must obtain permission from his or her advisor or department head, division chairperson and the Vice President for Academic Affairs. Forms to enroll for more than 18 hours may be obtained in the Office for Academic Affairs.
3. During a summer term a student may not enroll for more than six hours, except in the event that one course is a four hour course, in which case he may enroll for seven hours.

Course Offerings: The University reserves the right to add, delete or cancel courses as it deems necessary. There will be no partial refund of any fees as a result of course cancellations unless the student decides to continue as a part-time student.

GRADES AND CREDIT

Symbols: The quality of a student's work in a course must be reported to the registrar by the use of the following grades: **A, B, C, D, P, F,** and **I. A** denotes excellent scholarship; **B**, good; **C**, fair; **D**, poor. Work reported as the grade of **D** cannot be raised to a higher grade by examination. **F** indicates failure; a student receiving such a grade may repeat the course. **P** is the passing grade assigned to all courses for which no credit is allowed. The grade **I** indicates that the work has not been completed and that the student did not withdraw from the class. A student who officially drops a course will receive the grade of **W.**

A. The grading symbols are: A; B; C; D; F; I (Incomplete); W/P (withdrew passing); W/F (withdrew failing); or W (withdrew prior to taking a test).

B. Foundations of Education is a developmental skills program in reading, writing, and mathematics. The courses are:

Reading 131-132
English 131-132
Mathematics 130

Students enrolled in any of these courses may not carry more than fifteen hours for the semester and are not allowed to drop these courses. Students placed in Reading 131-132 and/or English 131-132 must enroll in English every semester from point of entry through English 192 and must earn a grade of C or better in each of these courses to meet University requirements. Students placed in Mathematics 130 must maintain continuous enrollment in mathematics courses until the general education requirements are met. Depending on entry level, students placing in the courses listed above will be required to earn a minimum of 125-137 hours for graduation.

Grade Points: Grade points are determined by multiplying the number of credit hours which a course yields by the grade point value of the grade. Grade points are computed as follows: **A**, 4 points for each credit hour; **B**, 3; **C**, 2; **D**, 1; **P**, 0; **F**, 0.

Grade for Major Work: No grade below **C** will count for credit in the student's major or minor work, and no student will be permitted to enroll for student teaching without a minimum grade of **C** in the designated area to teach.

Course Credit: Credit will be granted only for officially registered courses.

Grading and Promotion: The University reserves the right to have decisions regarding grading and promotion made by the exercise of the sound discretion of the University faculty.

COURSE EXAMINATIONS

Semester or session examinations: All students are required to take the final examination in each course for which he or she is properly enrolled. Exceptions to this rule are granted by the department head and division chairperson. The final examination must not account for more than twenty-five per cent (25%) of the final grade. FAILURE TO TAKE AN EXAMINATION DOES NOT GUARANTEE A GRADE OF I.

Mid-Semester tests: All students are required to take the mid-semester test in each course for which he or she is properly enrolled.

Incompletes: A student who, as a result of sickness or some other unavoidable cause, has not fully satisfied the requirements of a course may be given a grade of **I**, if the successful completion of the work will enable the student to earn a passing grade. The incomplete may be removed while the student is not enrolled, but it must be removed within six weeks after the beginning of the next semester in which the student is enrolled. When the work is completed, the student must secure the necessary form from the Registrar's Office, take it to the Office of Financial Affairs, pay the necessary fee for removing incompletes, then submit the form to the instructor, who will report the final grade to the registrar.

IF A STUDENT DOES NOT ENROLL WITHIN TWO YEARS AFTER RECEIVING THE **I**, THE INCOMPLETE BECOMES A PERMANENT **I**.

Repeating of Courses: No student will receive credit for the same course twice. If any course is repeated in which credit hours are earned, the student's permanent record will be adjusted by subtracting the hours of the lower grade from the total hours earned. Credit hours will then be recorded for only the higher grade. Students are responsible for notifying the Registrar's office when a course(s) is being repeated in the space provided on the registration form.

Withdrawal: Students may withdraw from the University up to the last day of classes.

Transfer of Credit: Students may obtain credit by attending another college or university if the following conditions are met:

1. The proposed institution of study must be accredited by one of the six regional accrediting agencies of the United States and must offer the corresponding work at Johnson C. Smith University.
2. Approval is to be secured from instructors, advisors, and heads of the departments at Johnson C. Smith. Application for approval must be submitted on the proper form obtainable from the Registrar's Office. When the form has been properly executed, it is returned to the Registrar's Office. Elective credits may be received for certain courses which do not correspond to any offered at Johnson C. Smith, provided approval is first received from the appropriate department head.
3. Approved courses in which the student receives a grade of **C** or better are transferable with the credit hours and grade points earned. CREDIT WITH GRADE BELOW **C** WILL NOT BE ACCEPTED. Where quarter hours are taken, they will be converted at the rate of three semester hours to equal five quarter hours.
4. Normally, no more than fifteen hours, EXCLUDING COURSE WORK THROUGH THE CONSORTIUM, may be transferred.

NOTE: Work experiences, institute participation, and travel experiences for credit MUST be cleared and approved before a student takes part in such a venture.

Exceptions to the conditions listed above will only be made when approval results from a meeting of the vice-president for academic affairs, academic advisor, registrar, and president, ex officio.

THE STUDENT IS RESPONSIBLE FOR FOLLOWING THE PROCEDURES LISTED ABOVE.

Grade Reports: At the end of each semester, grade reports are sent to parents or guardians. Mid-semester grades are sent to advisors for purpose of advisement. Only semester grades are permanently recorded.

TRANSCRIPTS

An official transcript of a student's academic record will be sent to a designated person or institution upon written request by the student. However, all obligations to the University must be cleared before a transcript is released.

The first transcript is free of charge; all subsequent copies are $2 per copy.

All transcript requests are made through the Registrar's Office and should be received at least one week before they are needed.

CLASSIFICATION OF STUDENTS

Students in the University are classified for the year at the beginning of the FALL SEMESTER according to records in the Registrar's Office. The basis for this classification is as follows:

Seniors: Students who have, unconditionally, at least 90 credit hours of work.

Juniors: Students who have, unconditionally, at least 60 credit hours of work.

Sophomores: Students who have at least 30 credit hours of work.

Freshmen: All other students, not registered as special, without regard to date of admission.

Specials: Students who have not been admitted to candidacy for a degree.

MAINTENANCE OF SCHOLARSHIP

Class Attendance: All students are expected to attend all classes and other required meetings involved in course work. The University recognizes that students, on occasion, may have legitimate reasons for being absent from class (e.g. representing the university in approved extracurricular activities, illness or emergencies), however students are expected to give instructors advance notice of anticipated absences. Allowable absences and make-up work will be determined by the instructor according to a formal attendance policy stated in the course outline.

Academic Status: A student who is in good academic standing at Johnson C. Smith University has a minimum grade point average of 2.00 (twice as many grade points as credit hours attempted). Every course for which a student has registered and from which the student does not officially withdraw is classified as attempted.

A student who is not in good standing according to the number of hours attempted and the grade point average is on either warning or probation. A student on probation has one semester to remove the probationary status. Failure to remove the probationary status at the end of the next semester in which they are enrolled will result in the student's automatic suspension for poor scholarship.

Academic Warning, Probation, Suspension and Dismissal

Enrollment Status: In order to be full-time, a student must be enrolled for a minimum of twelve (12) semester credit hours. Any student enrolled for fewer than twelve (12) hours is a part-time student.

Academic Warning: Any student who falls below a grade point average of 2.0 may be placed on academic warning. A student on academic warning may continue to work toward the improvement of scholarship.

SATISFACTORY ACADEMIC PROGRESS SCALE

SEMESTER	CUMULATIVE	C.G.P.A
1	10	1.60
2	20	1.70
3	32	1.80
4	44	1.90
5	56	2.00
6	68	2.00
7	80	2.00
8	92	2.00
9	107	2.00
10	122	2.00

ACADEMIC PROBATION, SUSPENSION AND DISMISSAL

1. Any student who, for the first time, fails to meet the requirements of the above scale will be placed on academic probation.
2. Students who fail to remove their probationary statuses in the next regular semester (Fall or Spring) for which they are enrolled will be suspended from the University and will not be permitted (a) to enroll at Smith for the succeeding regular semester or intervening summer sessions* nor (b) to transfer to Smith any credits earned elsewhere during the period of suspension.
3. Students may apply for readmission during their suspension and when readmitted for the following semester, must remove their probationary statuses by the end of that semester or be dropped permanently from the University.
4. A student who removes his/her first probation and incurs probation twice thereafter shall be dropped permanently from the University.
5. Summer school attendance at Johnson C. Smith or some other institution (with prior approval) may be utilized to remove a student's probationary status.

*Summer sessions coming between the official notification of suspension and the regular semester (Fall or Spring) for which the student is eligible to re-enroll.

HONORS LIST

At the end of each semester an Honors List consisting of students who have earned a grade point average of 3.00 or better is published. Only students who are registered for a minimum of fifteen credit hours will be considered for the Honors List.

THE HONORS PROGRAM

Purpose

The purpose of the Honors Program is to meet the academic and creative needs and aspirations of students of exceptional academic ability who accept the invitation to participate in the program. These needs are determined through a continual process of investigation, planning, and evaluation conducted by the Honors Program Committee, which is composed of faculty and students. The general structure of the Honors Program is determined by the Honors Program Committee, but the specific modes of implementation are determined by the faculty and the students working in the Honors Program.

Beginning in the first semester of their freshman year, the students in the Honors Program are afforded unusual opportunities to experience a wide variety of educational endeavors throughout the entire duration of college. Through special channels designed to encourage and to facilitate a high level of academic achievement, the Honors Program student will work to develop a trained mind which can adapt to the changing world.

Structure

Students are enrolled in two types of courses: courses in which only Honors Program students are enrolled and courses in which both Honors Program students and other students are enrolled. Departmental honors (additional title, if any, as well as number and credit hours) will be determined by the department. Courses are designed for the Honors Program students and other exceptional students, but initiative, as well as the design and the staffing, rests with the department. Whenever Honors Program students are enrolled for Honors Program credit, the course is subject to approval by the Honors Program Committee.

In course honors (title, numbers, hours, and credit given in the regular catalog listing), special work is designed for one or more Honors Program students enrolled in a regular course. The students and the instructor share in the initiative and the design; however, the final design is subject to approval by the Honors Program Committee.

Freshman Honors in Humanities

Courses	Credit Hours
Honors English 141-142	8
Honors History 131-132	6
Religion 130 (in-course Honors)	3
Philosophy 131 (in-course Honors)	3

Honors English 141-142, Composition and Literature is a course in which students satisfy the requirements for English Composition and World Literature. Students are taught the fundamentals of composition, creative writing, and expository writing. Literary masterpieces are studied in conjunction with composition. Efforts are made to enrich

the cultural experiences of the students by encouraging their attendance or participation in plays, operas, concerts, seminars and other appropriate activities.

Honors History 131-132. World Civilization introduces students to the major themes in the history of the world. Students are given the opportunity to obtain knowledge necessary to compare civilizations in different parts of the world, to determine what is universal and unique about their own society, and to increase their ability to make intelligent decisions in the present. Considerable emphasis is placed on reading and discussion.

In-course Honors Projects are required in Philosophy and Religion. Students earn 10 credit hours per semester—9 for participation in these courses and in the English component and additional hour (1 credit) for special enrichment activities. In addition, students may elect to take in-Course Honors Mathematics courses from which they may earn 3 credit hours in the Program during their freshman year.

Sophomore Honors in Social and Political Science

Students take Honors Political Science 131-American Government during the first semester. This seminar course is a study of the development, structure, and operations of the American political system. Three semester hours are required.

Junior Honors

Students conduct research and independent study in their major fields under the guidance of the faculty. The requirement is three hours.

Senior Honors

Students conduct research and independent study in any field of interest under the guidance of the faculty. They present their papers to the Honors Program Committee. Three hours are required.

Grading Policies

For those students who have maintained a grade of **B** or above on their honors projects, the **Honors** will be placed on grade sheets beside the students' names. The reason is to designate creditable performance in special HONORS COURSES, IN-CLASS HONORS, and INDEPENDENT STUDY.

Financial Assistance

Contingent upon the availability of funds, students in the Honors Program receive financial assistance to cover tuition. They are required to maintain a cumulative 3.00 GPA in order to retain their scholarships.

Program Changes

The University reserves the right to alter, revise or eliminate any academic program as it deems necessary.

FOUNDATIONS OF EDUCATION

Foundations of Education is an integral part of curricula at Johnson C. Smith University. Its three components, reading, writing, and mathematics, have developmental and basic skill courses which allow the entering freshman to acquire mastery in these areas. Support services such as the Writing Center, Reading Laboratory, and Mathematics Laboratory counseling center employ innovative techniques to enhance the effectiveness of regular instruction. Courses in Foundations of Education are:

Reading 131-132
English 131-132
Mathematics 130
(Fundamental Arithmetic)

By use of diagnostic tests, individualized instruction, classroom discussion, tutors, counselors, audio-visual aids, clinics, and small group sessions, the students progress at their own pace through the general education requirements. At the end of the sophomore year, the students are expected to function effectively in their areas of specialization in the upper division of the University.

GENERAL EDUCATION PROGRAM

The main purpose of the general education program is to enable each student to acquire a broad and substantial foundation in the major fields of knowledge. The program is designed to complement the program of specialized education by preparing students for responsible and imaginative living.

Entering freshmen are required to take a series of examinations for placement and counseling purposes during Freshman Week. The achievement tests in mathematics, foreign language, and English are for placement; interest and psychological tests are for use in counseling.

Students who, through testing, demonstrate proficiency in a subject matter area may be given advanced standing in that specific area. This procedure, however, will not reduce the total number of hours required for graduation.

A student may begin a major in the freshman year. Freshmen will not be permitted to take more than the normal load, fifteen to eighteen credit hours.

General Education Requirements for Graduation

Area and Courses	Credit Hours
Orientation	2
Orientation 120	
(Not required for transfer students with 64 earned credit hours.)	
English Composition and Literature	12
English 191-192 (6 cr. hrs.), English 231, 232 or English 235 (6 cr. hrs.)	
Foreign Language	6
Two semesters of same language or the equivalent (no exceptions)	
The Humanities and Fine Arts	12
Philosophy or Religion (3 cr. hrs.)	
*Speech 131 (3 cr. hrs.)	
*Music 131 (3 cr. hrs.)	
*Art 231 (3 cr. hrs.)	
The Social Sciences	12
History 131-132 (6 cr. hrs.)	
Six credit hours distributed over two of the areas listed below. (6 cr. hrs.)	
Economics 131 Psychology 131	
Political Science 131 Urban Studies 230	
Sociology 131	
The Natural Sciences and Mathematics	14
Math—6 cr. hrs. above 130 (Typically 131, 132)	
Biology 140 or above (4 cr. hrs.)	
Physical Science (4 cr. hrs.)	
Physical Science 141	
Chemistry 141	
Physics 241 and 243	
Physical Education	4
Personal Hygiene 121 (2 cr. hrs.)	
Activity - any two different courses (2 cr. hrs.)	

Freshman Orientation Course

The Orientation Program is designed to introduce entering freshmen and transfer students to campus life and provide them with the skills necessary for a successful college career. It is required for all students for graduation.

ORIENTATION 111-112 **Two Credit Hours**

A two semester course covering the history, traditions and regulations of the University, study skills, social skills, career development, and personal and community responsibility. This course will terminate May 1986, and will not be offered after this date. (Students enrolling prior to Fall 1985 will be the only students permitted to register for this course.)

ORIENTATION 120 **Two Credit Hours**

A course designed to introduce entering freshmen and transfer students to campus life and provide them with the skills necessary for a successful college career. In addition to this, the course will allow students the opportunity to explore their strengths, weaknesses and possibilities for growth and self-fulfillment in a supportive group setting, as well as establish an identity and their place within the institutional environment. The course content includes the following themes:

Environmental Awareness - the history and philosophy of the institution, familiarity with helping resources and academic procedures and developing appropriate study skills; **Personal Awareness -** achieving autonomy, identity, adequate coping skills and clarification of personal values; **Group Integration -** distinguishing group values from individual values and socialization. **Career Development and Preparation in Higher Education -** the importance of decision making, personal responsibility for education, the purpose of a liberal education, career exploration and academic major clarification. This course will meet twice weekly for a one hour session.

Placement

Physical Education—All students are required to develop competencies in Physical Education by successfully completing two (2) semester hours in activity courses. These competencies may be met by selecting courses in P.E. 110 through P.E. 118.

Physical Education majors satisfy this requirement by taking P.E. 228 and P.E. 229.

*Effective 1979-1980

Mathematics—Students are placed in mathematics 130 on the basis of entry level test scores.

English—All entering freshman students and transfer students who have not completed at least 3 hours of credit in English composition must take the Master Pre-Test in English and Communication Skills. Test scores from this placement test are used to determine the entry level of each student. The student will then complete the number of courses necessary to receive appropriate credit for the general education requirement in English composition.

English Proficiency

The University requirement of demonstrated English proficiency must be met by achieving a grade of **C** or better in English 191 & 192, the required composition course.

Foreign Language Requirement

Majors in all departments are required to take two semesters or the equivalent of a foreign language, (six hours in one language distributed as 131 and 132).

Students who have studied two or more years of a foreign language in high school are required to take a placement examination in the language studied. According to their scores, students will be placed in 131,

132, 231, or 232. Those students who place in 231, as a result of the placement examination, have satisfied the equivalent of 132. They may elect to continue in the study of a foreign language as electives or upon recommendation of their major departments.

Students who have not previously studied French or Spanish may enroll in Elementary French 131 or Elementary Spanish 131 at Johnson C. Smith University. Students who wish to satisfy the language requirement with a language other than French or Spanish may take 131 and 132 at a college within the Consortium.

Exemption From Physical Education Activities

Each student is required to participate in the University physical education program. Students with physical disabilities of any nature may take physical education 119A and 119B to satisfy the P.E. activity requirement. Before enrolling in these courses a student will need to have a doctor's statement from their personal physician. This information must be documented in the physical education department. FORMER MILITARY PERSONNEL ARE EXEMPTED FROM PHYSICAL EDUCATION ACTIVITIES.

Program Changes

The University reserves the right to alter, revise or eliminate any academic program as it deems necessary.

MAJOR PROGRAM

Students may concentrate in any one of four divisions and may major in the following subjects: Biology, Business Administration (concentrations in Accounting, Banking and Finance, Management, Marketing), Chemistry, Communication Arts, Computer Science, Economics, Education-Early Childhood & Intermediate, English, General Science, Health Education, Physical Education, History, Liberal Arts-Engineering (3-2 plan with an engineering school), Mathematics-Physics, Music-Business, Music Education, Political Science, Psychology, Social Science, Social Work, Sociology, Urban Studies and Community Affairs.

Subjects are arranged under the following four divisions:

Division I: **The Humanities**—art, communication arts, English, French, music, philosophy, religion, Spanish.

Division II: **The Social Sciences**—business administration (concentrations in accounting, banking and finance, management, marketing), economics, history, political science, social work, sociology, urban studies and community affairs.

Division III: **Education, Physical Education and Health, and Psychology**—education (early childhood education, intermediate education, and secondary education), health, physical education, psychology.

Division IV: **Mathematics and Sciences**—biology, chemistry, computer science, mathematics, physics.

Application for Major

It is recommended that students apply for a major not later than the end of the FALL SEMESTER of the sophomore year. As a result, department heads will have adequate time and opportunities to observe and to advise students while there is enough time to make necessary program adjustments. This plan enables students to find major areas that are most profitable for them. Forms to apply for the major may be obtained from the Office of the Registrar. When the major is approved, the department head retains a copy of the application and submits two copies to the registrar.

Application for Degree

Seniors are required to file an application for degree, indicating expected date of graduation. (See University calendar.)

Changing of Major

A student may change a major by obtaining the proper forms from the Registrar's Office. When the change is approved by the department head, one copy remains in the department and two copies are filed in the Registrar's Office.

Program Changes

The University reserves the right to alter, revise or eliminate any academic program as it deems necessary.

Degrees

The University administers four years of work leading to the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work.

Degrees with Honors

To be graduated cum laude, a student must have spent at least two years in residence at the University and at least earned an average of 3.00 to 3.49.

To be graduated magna cum laude, a student must have spent at least three years in residence at the University, earned an average of 3.50 to 3.69, and no grade below C.

To be graduated summa cum laude, a student must have spent at least three years in residence at the University, earned an average of 3.70 to. 4.00 and no grade below C.

Graduation

General Requirements: Candidates for the bachelor's degree must complete at least 122 hours, must earn a minimum overall grade point average of 2.00, must earn a minimum grade of C in any course that counts toward the major, and must satisfy all requirements of the curricula in the general education program.

Catalog Requirement: Graduation will be governed by the catalog under which students first enroll in the institution and if they graduate within

a period of five years. Otherwise, current requirements must be met after that period of time. This regulation will be subject to such additional conditions that may be established by decisions of the Educational Policies Committee and approved by the University Administration.

Residence Requirements: The minimum residence requirement for the bachelor's degree is that the last 32 of the 122 semester hours required must be earned at Johnson C. Smith University.

Exceptions to this requirement may be made when approved by the Vice President for Academic Affairs, major advisor, department offering course or courses in question, and the President.

Student Responsibility: Familiarity with the University Catalog, maintaining a satisfactory grade point average, proper completion of the academic program and satisfying all other requirements for graduation are responsibilities of each student. Advisors will counsel but the final responsibility remains that of the student. Students are obligated to comply with the reasonable rules and regulations of the University and all requirements for graduation. Students will graduate only when all requirements as specified by the applicable catalog have been completed. The University reserves the right not to graduate any student who has not complied with all graduation requirements.

SUMMER SCHOOL

Admission

The Johnson C. Smith University Summer School is open to all persons who are eligible in at least one of the following categories:

1. Persons desiring to take college courses for self-improvement
2. Students completing requirements for degrees at other colleges (Statements of approval from a designated official must be presented if credit is to be transferred.)
3. Students completing requirements for degrees at Johnson C. Smith
4. High school graduates intending to pursue a degree at Johnson C. Smith or other institution (These persons must apply for admission to the regular University program through the Office of Admissions at Johnson C. Smith or the institution to which the credit will be transferred.)
5. Inservice teachers who desire to upgrade, to renew, or to convert their certificates for early childhood education (K-3), intermediate (4-9), or secondary education
6. Veterans eligible under Public Law No. 91-219 of the Congress of the United States to take training in an approved institution (Johnson C. Smith is certified by the Veterans' Administration to provide training.)

Applications for admission may be obtained by writing to the Director of Summer School.

Fees

TUITION for all students is $420.00 for a normal load of six credit hours. An additional charge of $70.00* per credit hour will be made for any hours that exceed the normal load. Students who wish to take more than the normal load of six credit hours must consult the director of Summer School.

The fee for ROOM AND BOARD is $536.00*. This fee will cover room rent and three meals per day. A $25.00 deposit may be required. Students desiring room and board facilities should file an application with the director of student life programs.

All fees are due and payable on the day of registration. Fees are not refundable after the first week of each session. No exception to this regulation will be made for illness or any other reason for withdrawal. No refund will be made to students dismissed for academic or disciplinary reasons.

A late registration fee of $10.00* will be charged after the first day of each session. NOTE: Late registration fees for veterans will not be paid by the Veterans' Administration. The veteran is personally responsible for late registration fees, payable in advance.

**Subject to change without notice to students when deemed necessary by the University.*

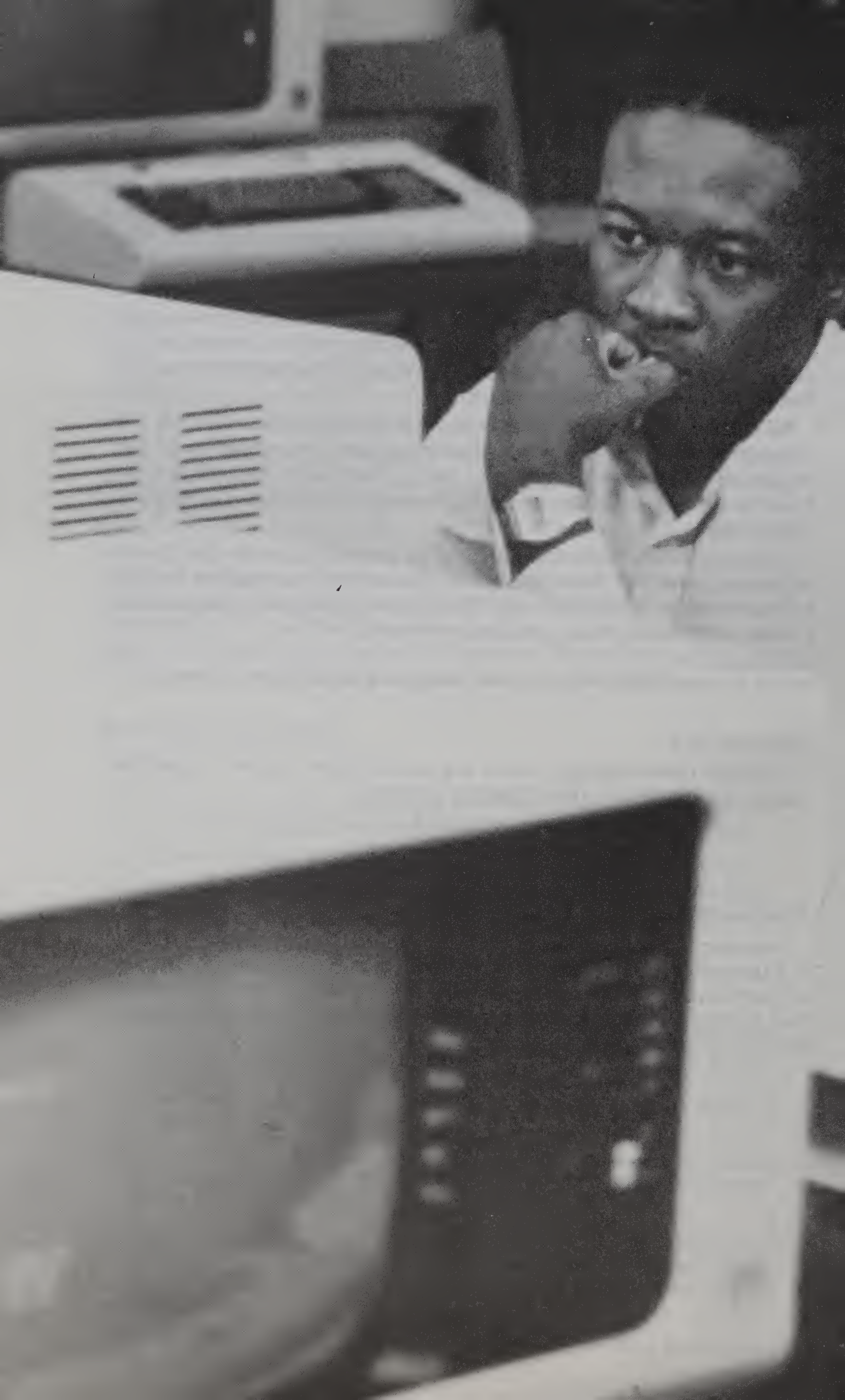
Financial Aid

National Direct Student Loans are available for summer study. For information, write to the following address:

Office of Financial Aid
Johnson C. Smith University
Charlotte, North Carolina 28216-5398

Course Offerings and Faculty Selection

Summer School courses are offered in most departments, depending upon demand. The Summer School faculty is usually composed of members from the regular faculty. Because of their special expertise, faculty members from other institutions are sometimes invited to join the Summer School faculty.



COURSE DESCRIPTIONS

System of Course Numbers

The number of each course has three digits. The first digit indicates the classification level. The second digit indicates the number of credit hours. The third digit merely distinguishes the course from other courses in the classification and credit bracket of the department. Some courses have a middle digit of **8** or **9**. The **8** indicates a two-credit course, and the **9** indicates a three-credit course.

Hyphenated courses are regarded as year courses and must be taken in sequence. Courses marked with an unexplained asterisk (*) are required for teacher certification. Courses marked with an unexplained dagger (†) may be used as general education requirements.

DIVISION I: THE HUMANITIES

The Division of Humanities includes four departments: Communication Arts, English, Foreign Languages, and Music. Majors and/or minors are offered in all these departments. Philosophy and religion courses are included in the Department of English.

Humanities

HUMANITIES 490 Senior Humanities Seminar **Three credit hours**

An interdisciplinary seminar for majors in the humanities and in other related fields. A dialogue course designed to provide the opportunity for students to select a topic to be studied from the various perspectives of the humanities. Methods of instruction: independent research, seminar discussion, team teaching, visiting lecturers. Prerequisite: senior standing and permission of staff. (See English 490, Philosophy 490, and Religion 490.) SPRING SEMESTER.

DEPARTMENT OF COMMUNICATIONS ARTS

The Department of Communication Arts meets today's increasing demand for graduates trained in media. Television and radio stations, newspapers, and performing arts groups are seeking graduates trained to serve as technicians, reporters, broadcasters, photographers, and other persons skilled in communication arts.

The area of mass media today has a greater impact upon the educational and cultural development of American society than any other single force. Its future vistas are unlimited. Presently, it is the most effective means of connecting the learner with the available knowledge of the world.

The Department of Communication Arts has the following goals: first, to render service to society and the local community by training students to be highly competent in various areas of mass media; second, to maintain a reciprocal relationship between Johnson C. Smith University and local radio, television, and newspaper establishments; third, to provide new job opportunities and to discover new talents in students; and fourth, to help students to develop positive self-images by the accomplishments of work well done and by society's acceptance of worthy contributions.

NOTE: Students in internships receive practical experience in mass media while establishments provide internships and use of their facilities.

Through the major program, the Department of Communication Arts hopes to attain the following educational objectives: to acquaint the student with the expanding possibilities of the media as art, to offer the student the opportunity for adequate self-expression in at least one medium, to provide the student with practical experience in the campus media, and to provide the student with opportunities for acquiring expanded experience and training in the professional media of Charlotte.

The major in communication arts consists of thirty-nine credit hours elected from the areas of communications, drama and film, public relations and organizational communication, publishing and graphic arts, speech and telecommunications, including the following required courses: Speech 131 (can be used to fulfill general education requirement), Communications 231 and Communications 232.

Shortly after entering the department, each major decides upon a concentration and plans an individual program of study in consultation with an advisor assigned for the concentration. Ordinarily, the individual program of study will be similar to the "suggested program" for the concentration. The student is responsible for completing the individual program of study approved by the advisor. Concentrations available are (1) Public Relations and Organizational Communication, (2) Publishing and Graphic Arts, and (3) Telecommunications.

A minor in communication arts consists of eighteen credit hours elected from the areas of communications, drama and film, public re-

lations and organizational communication, publishing and graphic arts, speech, and telecommunications, chosen by the student under the guidance of major and minor advisors. Speech 131 is required, but courses taken to complete the minor exclude hours taken to fulfill general education requirements.

COMMUNICATIONS

COMMUNICATIONS 231-232 Introduction to Mass Communications I and II **Three credit hours each**

The courses present a survey of the nature, characteristics and history of the media of mass communications—newspapers, magazines, motion pictures, records, radio and television. They also introduce students to professional opportunities in those fields, with guest speakers from and field trips to local communications organizations. Required of communication arts majors. The courses should be taken soon after a student enters the department.

DRAMA AND FILM

DRAMA AND FILM 232 Introduction to Drama and the Film **Three credit hours**

A comprehensive survey of history and theory of the theatre from classical to modern times. Examination of the film as art.

DRAMA AND FILM 332 Film Criticism **Three credit hours**

Study of the film as an art form. Viewing and criticism of short and longer subjects. Emphasis on contemporary film.

DRAMA AND FILM 333 Drama and Film Workshop **Three credit hours**

A practical course in the staging of plays. Attention given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop. Open to all students interested in dramatics and films. (Though the course may be taken for as many semesters as the student desires, credit will be given only for one semester's work.)

DRAMA AND FILM 433 Modern Drama **Three credit hours**

Extensive reading and study in representative works of modern European and American dramatists. Attention given to purpose, theme, and techniques. (Same as English 433.)

PUBLIC RELATIONS AND ORGANIZATIONAL COMMUNICATION

PUR 231 Business Writing **Three credit hours**

Techniques of writing in business and other organizational contexts, including letters, reports, studies and publicity materials.

PUR 331 Public Relations **Three credit hours**

Techniques and case studies in public relations for business and non-profit organizations. Prerequisite: Public Relations and Organizational Communication 231. Recommended prerequisite: Telecommunications 233.

PUR 339 Special Topics in Public Relations and Organizational Communication **Three credit hours**

Advanced study in professional practices in public relations and organizational communication.

PUR 413, 423, 433 Internship in Public Relations and Organizational Communication **One to three credit hours**

Practical experience in public relations and organizational communications in local organizations. Open only to juniors and seniors majoring in communication arts. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

PUBLISHING AND GRAPHIC ARTS

PGA 231 Media Writing **Three credit hours**
Basic techniques of writing in styles and formats widely employed in the professional media.

PGA 232 Publication Editing and Production **Three credit hours**
Editorial techniques and production processes employed in various types of publications.

PGA 233 Photography I **Three credit hours**
A course in basic camera and darkroom techniques for beginners.

PGA 234 Photography II **Three credit hours**
Advanced course in composition, use of lighting for the still camera, darkroom techniques and slide making. Prerequisite: Publishing and Graphic Arts 233.

PGA 235 Design I **Three credit hours**
Beginning course in visual concepts and design techniques employed in publishing. Includes beginning drawing, lettering, posters, color separation and layout.

PGA 236 Design II **Three credit hours**
Advanced course in visual concepts and design techniques employed in publishing. Includes intermediate drawing, silk screen, editorial design, layout and cartooning.

PGA 330 The Afro-American Press **Three credit hours**
A comprehensive history of the Afro-American Press and an examination of black newspapers.

PGA 331 Reporting **Three credit hours**
Development of sound news judgment. Practice in various methods of searching the news and in techniques of reporting it. Prerequisite: PGA 231.

PGA 332 Feature Writing **Three credit hours**
An introduction to the fundamentals of feature writing and the examination of newspaper and periodical features.

PGA 337 Publishing and Graphic Arts Workshop **Three credit hours**
Practical experience in reporting, writing, editing, layout, design and photography for the newsletter and magazine. May be repeated once for credit.

PGA 339 Special Topics in Publishing and Graphic Arts **Three credit hours**
Advanced study in professional practices in publishing and graphic arts.

PGA 413, 423, 433 Internship in Publishing and Graphic Arts **One to three credit hours**
Practical experience in publishing and graphic arts in local organizations. Open only to juniors and seniors majoring in communications arts. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

SPEECH

SPEECH 131 Fundamentals of Speech **Three credit hours**
Beginning public speaking course. Includes training in pronunciation and delivery, as well as the preparation and presentation of effective public messages. Required of communication arts majors.

SPEECH 231 Voice and Diction **Three credit hours**
The course presents instruction and drills for the improvement of vocal characteristics, including diction, pitch, tempo and quality. Includes lectures on the vocal apparatus and the International Phonetic Alphabet. Also includes intensive individual instruction.

SPEECH 330 Speaking in the Professions **Three credit hours**
Practice in preparing and presenting various types of speeches expected of professional people and in planning and conducting public discussions. Practice in parliamentary procedure.

SPEECH 431 Speech Seminar **Three credit hours**
Topic to be announced. Open to seniors majoring in communication arts.

TELECOMMUNICATIONS

TEL 231 Introduction to Radio I **Three credit hours**
History of radio. Writing, producing, directing, and announcing various types of radio programs.

TEL 232 Introduction to Radio II **Three credit hours**
News analysis, news interviews, writing and announcing. Remote broadcasts, sports events, the discussion program. Prerequisite: Telecommunications 231.

TEL 233 Video Production **Three credit hours**
Instruction and practice in camera and editing techniques for video tapes, as well as selection of subject matter, producing and directing.

TEL 234 Scriptwriting **Three credit hours**
Instruction and practice in writing for the media.

TEL 291 Introduction to Television I **Three credit hours**
Techniques of television. Producing, directing, writing, and announcing. Includes commercials, news, and documentaries.

TEL 292 Introduction to Television II **Three credit hours**
Techniques of television. Producing, directing, writing, and announcing. Includes news, documentaries, interviews, and dramas. Prerequisite: Telecommunications 291.

TEL 339 Special Topics in Telecommunications **Three credit hours**
Advanced study in professional practices in telecommunications.

TEL 413, 423, 433 Internship in Telecommunications **One to three credit hours**
Practical experience in telecommunications organizations. Open only to juniors and seniors majoring in communication arts. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

PUBLIC RELATIONS AND ORGANIZATIONAL COMMUNICATION

Freshman Year

Fall	Credit Hours	Spring	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	2	Physical Education (Activity)	1
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Communications 231	3	Communications 232	3
PGA 231	3	PGA 233	3
Physical Education (Activity)	1		
	16		16

Junior Year

PUR 231	3	PUR 331	3
PGA 235	3	Physical Science 141	4
TEL 233	3	Social Science	3
Social Science	3	Electives	6
Elective	3		
	15		16

Senior Year

PUR 433	3	PUR 433	3
Major Elective	3	Major Elective	3
Electives	9	Electives	9
	15		15

PUBLISHING AND GRAPHIC ARTS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	2	Physical Education (Activity)	1
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Communications 231	3	Communications 232	3
PGA 231	3	PGA 232	3
Physical Education (Activity)	1		
	16		16

Junior Year

Physical Science 141	4	Social Science	3
Social Science	3	PGA 235	3
PGA 233	3	PGA 337	3
PGA 337	3	Electives	6
Elective	3		
	16		15

Senior Year

PGA 433	3	PGA 433	3
Major Elective	3	Major Elective	3
Electives	9	Electives	9
	15		15

TELECOMMUNICATIONS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	2	Physical Education (Activity)	1
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Communications 231	3	Communications 232	3
TEL 231	3	TEL 232	3
Physical Education (Activity)	1		
	16		16

Junior Year

Physical Science 141	4	Social Science	3
Social Science	3	TEL 233	3
TEL 291	3	TEL 292	3
PGA 231	3	Electives	6
Elective	3		
	16		15

Senior Year

TEL 433	3	TEL 433	3
Major Elective	3	Major Elective	3
Electives	9	Electives	9
	15		15

ART COURSES

ART 130 Basic Design **Three credit hours**

A course designed to acquaint students with the principles of draftsmanship, color scheme variables, and principles of their application. Materials to be explored in this course: collage techniques, matting, acrylic and water color painting, various uses of charcoal, linoleum block printing, basic sculptural forms, and oil painting.

ART 133 Introduction to Drawing and Painting **Three credit hours**

Emphasis on understanding form, line linear organization, color harmony, and physical properties of pigment (oil, acrylic, and color), and methods of canvas preparation and framing.

ART 134 Afro-American Art History **Three credit hours**
A supplement to regular mainstream approaches in teaching American Art history. Acquaints students with the distinguished creative output of persons of Afro-American backgrounds. Examines some two hundred years of black creative efforts.

ART 230 Art for the Elementary School **Three credit hours**
A discussion of skills which will facilitate art work in the elementary school. Emphasis on developing creative ability. Two two-hour class meetings each week.

ART 231 Art Appreciation **Three credit hours**
Appreciation for the beauty of architecture, painting, sculpture, pottery, and textiles. Two one-hour lecture periods and one two-hour laboratory period each week.

DEPARTMENT OF ENGLISH

The Department of English seeks to accomplish the following aims: first, to develop in students an adequacy in the skills of effective writing, speaking, listening, and reading; second, to emphasize the importance of a mastery of the tools of communication for achievement in all phases of living; third, to acquaint students with many of the literary masterpieces of the world, together with principles of evaluating them; fourth, to encourage students in the cultivation of a genuine appreciation for literature; fifth, to provide specialized and intensive study in English and American literature, as well as in the English language, for students who desire to pursue careers in the teaching of English or in letters; and sixth, to enhance communicative skills of the pre-professional major.

The Department of English offers a major program, an English education major, and a minor program.

The major program, consisting of a minimum of thirty credit hours above the sophomore literature requirement, includes courses in English and American literature, language, criticism, and writing. The following courses are required: English 333-334 or 335-336, English 339, English 491 or 493, and one of the following: English 330 or English 430. Other courses should be elected to assure acceptable distribution over the entire field of English language and literature. The major program prepares the student for graduate study, and for other professions requiring a strong background in communicative skills.

The English education major, consisting of a minimum of thirty-two credit hours above the sophomore literature requirement, includes the basic courses of the major program and the courses in education and psychology as prescribed by the Teacher Education Program. Where feasible, the English education major should secure at least fifteen credits in a second teaching field. The English Education Program prepares the student to teach in the secondary school.

A minor in English consists of eighteen credit hours in English above the sophomore literature requirement.

The following courses are required for the English major and the English education major: English 333-334 or English 335-336, English 339, English 330 or 430, and English 491 or 493. English 338 is highly recommended.

Majors and minors in English will not be given credit toward their concentration for courses in English in which they earn grades below C.

LANGUAGE AND WRITING

READING 131-132 Basic Reading Skills **Three credit hours each**

Courses in reading designed for students whose entrance examinations indicated a need for correction and development of reading skills. Instruction: three hours per week by a reading teacher and two hours per week laboratory techniques for individualized instruction. Formerly a component of English 131-132, Reading and Language Skills.

ENGLISH 131-132 Basic Writing Skills **Three credit hours each**

Courses in writing designed for students whose essay examination and grammatical skills test indicate a need for remediation. Instruction: three hours per week by an English teacher and two hours per week laboratory techniques for individualized instruction. Formerly a component of English 131-132, Reading and Language Skills.

ENGLISH 141-142 Honors English **Four credit hours each**

A study of the fundamentals of composition in conjunction with selected literary masterpieces primarily of Western civilization. Attendance at plays, opera, concerts, seminars, and other appropriate activities to enrich the experiences of the students.

ENGLISH 191-192 Composition Skills **Three credit hours each**

A study of composition, including the forms of discourse, rhetorical patterns, the application process, and the research paper.

NOTE: Formerly English 190 A-B. Students must receive a grade not less than C to satisfactorily complete the course.

ENGLISH 337 Creative Writing **Three credit hours**

Study of theory and techniques of the short story, the essay, the novel, and poetry. Individual experimentation in the various genres. Enrollment with prior consent of instructor.

ENGLISH 391 Advanced Composition **Three credit hours**

Use of literature as a basis for writing themes and developing oral and written communication skills. Emphasis on specialized kinds of writing. Review of the business letter and English fundamentals. Mastery of the techniques of research, using the *MLA Style Sheet* as a guide. Recommended for all students who wish to increase their proficiency in oral and written composition.

ENGLISH 491* The English Language **Three credit hours**

A study of the principles of language study, with special attention to the historical and linguistic forces which have affected the development of the English language.

ENGLISH 493* Modern English Grammar **Three credit hours**

Rapid review of traditional grammar and current usage problems, followed by a descriptive analysis of the structure of present-day English in the light of recent research in linguistics.

LITERATURE

English 231-232† World Literature **Three credit hours each**

An in-depth study of selected literary masterpieces primarily of Western civilization. Attention to major works of other cultures.

NOTE: The chronology of period and literary movements will be observed wherever feasible; the two halves of the course must be taken in sequence.

English 235† Introduction to Fiction **Three credit hours**

This course, designed primarily for the English major, teaches the student to read with understanding selected primary sources from classical mythology. Through these readings the student will learn theme, idea, and interpretation, character (as sum of personal qualities), structure, and technique. (May substitute for English 232)

ENGLISH 330 Chaucer **Three credit hours**

Detailed study of the "Canterbury Tales" and "Troilus and Criseyde." Attention to Middle English and medieval culture. Study of changing critical approaches to Chaucer.

ENGLISH 333-334 English Literature **Three credit hours each**

A survey of English literature from Beowulf to selected works of the present time. Offered in alternate years.

ENGLISH 335-336 American Literature **Three credit hours each**

A survey of American literature from selected works of the Colonial Period to selected works of the present time. Offered in alternate years.

ENGLISH 339 Shakespeare **Three credit hours**

A study of at least twelve of the plays (eight in detail). (Same as Drama 339.)

ENGLISH 395 Honors Seminar **Three credit hours**

A seminar for majors who are pursuing departmental honors in English. Thematically organized course. Provides an opportunity for students to study a selected topic by means of independent research and seminar discussions.

ENGLISH 430 Milton **Three credit hours**

Selected prose and all of the English poems.

ENGLISH 431 English Literature of the Restoration and the Eighteenth Century **Three credit hours**

A study of English literature from the Restoration to 1798.

ENGLISH 433 Modern Drama **Three credit hours**

Extensive reading and study in the works of representative European and American dramatists. Attention to purpose, theme, and techniques. (Same as Drama 433.)

ENGLISH 435 Studies in Romantic Literature **Three credit hours**

A detailed study of the Romantic Movement, including the major English poets—Blake, Wordsworth, Coleridge, Byron, Shelley, Keats—and a broad understanding of the significant prose of the period.

ENGLISH 436 Studies in Victorian Literature **Three credit hours**

A study of the major post-Romantic poets. Varying choice of subject matter from year to year.

ENGLISH 437 Contemporary Literature **Three credit hours**

Study of outstanding figures of British and American literature from 1914 to the present. Varying choice of authors and subjects from year to year.

ENGLISH 439 Principles of Literary Criticism **Three credit hours**

Review of the history of Western criticism, study of developments in literary theory, guided experiences with practical criticism.

ENGLISH 490 Senior Seminar **Three credit hours**

(See Humanities 490: Senior Humanities Seminar.)

ENGLISH 494 Afro-American Literature: 1920 to the Present **Three credit hours**

A study of the literature of the period and its historical, cultural, and aesthetic perspectives. Open to inservice teachers, juniors, and seniors.

ENGLISH 495 Honors Seminar **Three credit hours**

A seminar for senior majors who are pursuing departmental honors in English. Advanced research and discussion of selected topics in literature and related areas. Open to juniors upon recommendation of adviser.

ENGLISH 497-498 Special Topics in English **Three credit hours each**

Detailed investigation of a special topic in language or literature.

ENGLISH 499 Independent Study **One to six credit hours**

A planned and structured project cooperatively defined by student and faculty. Student permitted to contract to complete work in the areas of language, writing, or literature. Enrollment: one, two, or three hours according to the scope of work to be completed. May be taken again for three additional hours of credit. Open to majors and to English education majors.

THE TEACHING OF ENGLISH

ENGLISH 338 Literature and Media for Adolescents **Three credit hours**

A study of literature and media for adolescents. Open to students of intermediate and secondary education, as well as to inservice teachers. (Same as Communications 338.)

ENGLISH 429 The Teaching of English **Two credit hours**

A study of philosophy, materials, and techniques used in teaching language, literature, and composition in grades 7-12.

ENGLISH HONORS PROGRAM

The purpose of the English Honors Program is to provide an environment in which academically gifted English majors can utilize their full learning potential. The program is designed to stimulate Honors English majors to think and work independently. Students will also be encouraged to pursue further intellectual and career developments after graduating from Johnson C. Smith.

The English Honors Program adds another dimension to the University Honors Program by enabling honors students with an interest in English to continue honors work begun in their freshman and sophomore years. It also gives English students who are not in the Honors Program an opportunity to develop their full potentiality in their area of special interest.

Requirements for Admittance into the Program

In order to qualify for the English Honors Program, prospective English majors must have a minimum grade of **B** in their freshman and sophomore English courses. Students with a 2.75 average in freshman and sophomore work may be considered for the program if they exhibit potential and seem highly motivated. Such students must have letters of recommendation from at least two of their English professors. It will be left to the discretion of the English Honors Committee whether or not students with a 2.75 average should be admitted into the program.

Students who are interested in the program are required to meet with the English Honors Committee to have the program fully explained and to discuss with the committee their reasons for wanting to participate in the Honors Program.

Kinds of English Honors Courses

The English Honors Program consists of two kinds of honors courses:

1. **In-course honors**, consisting of both English honors students and regular students

   Requirements include at least twelve credits of in-course honors work.

   Students may choose the course in which they wish to do honors work provided the professor teaching the course agrees.

   In-course honors work will consist of the following:

   a. More extensive independent research
   b. Required reports in which the findings of the independent research will be presented to the class as a whole
   c. More extensive and in-depth term projects

   In-course honors will give the student an opportunity not only to do more independent research but also to gain practical experience in the classroom setting. Moreover, the other students will benefit from the work of the honors student.

2. **Honors seminars**, consisting of English honors students exclusively

   Requirements include two honors seminars. One seminar is offered in the first semester of the junior year; another is available in the first semester of the senior year.

   Honors seminars will be taught on a rotating basis so that students will be exposed to various members of the English faculty. In some cases, more than one professor might be involved in teaching the honors seminar. The topics will vary from year to year, depending upon the career goals of the honors students.

CURRICULUM FOR ENGLISH MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Art 231	3
Physical Education (Activity)	1	Mathematics 132	3
Biology 140	4	Physical Education (Activity)	1
Orientation 120	2	Physical Science 141	4
	16		17

Sophomore Year

English 231	3	English 232	3
French or Spanish 231	3	French or Spanish 232	3
Religion 130	3	Sociology 131	3
History 131	3	History 132	3
Speech 131	3	English 235 or 439	3
Physical Education 121	2		
	17		15

Junior Year

English 333 or 335	3	English 334 or 336	3
English 330 or 430	3	English 339	3
English 493	3	English 337 or 391	3
English (Elective)	3	Philosophy 131	3
Psychology 131	3	Music 131	3
	15		15

Senior Year

English 431 or 435	3	English 436 or 437	3
English 433	3	English 490	3
Electives	9	Elective	3
		Elective	6
	15		15

CURRICULUM FOR ENGLISH EDUCATION MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Art 231	3
Biology 140	4	Mathematics 132	3
Orientation 120	2	Physical Education (Activity)	1
Physical Education 121	3	Physical Science 141	4
	18		17

Sophomore Year

English 231	3	English 232	3
French or Spanish 231	3	French or Spanish 232	3
Religion 130	3	History 132	3
History 131	3	English 439	3
Speech 131	3	Music 131	3
English 235	3	Sociology 131	3
	18		18

Junior Year

English 333 or 335	3	English 334 or 336	3
English 493 or 491	3	English 339	3
English 330 or 430	3	English 337 or 391	3
Education 233	3	English 439	3
Education 221	2	Psychology 237 or 239	3
Education 330	3	Education 222	2
		Physical Education (Activity)	1
	17		18

Senior Year

English 429	2	Education 462	6
English 433	3		
English 431 or 435	3		
English 490	3		
Physical Education 226	2		
Elective	3		
	16		6

REQUIRED COURSES FOR ENGLISH MINORS

English 337 or 391	3
English 333-334 or 335-336	6
English 339	3
English 437 or 494	3
English 491 or 493	3
	18

PHILOSOPHY AND RELIGION COURSES

PHILOSOPHY

Philosophy courses serve as electives in a wide variety of subjects for students in other disciplines who wish to broaden their intellectual perspectives. An asterisk (*) identifies those elective courses that are designed for all interested students. A double asterisk (**) identifies courses designed especially for students in mathematics and the sciences. Philosophy courses that also serve as general education courses are indicated by a dagger (†) after the course number.

PHILOSOPHY 131*† Introduction to Philosophy **Three credit hours**
A course introducing the student to the reading and doing of philosophy. Discussion of methods of philosophical inquiry and representative philosophical concepts. FALL and SPRING SEMESTERS.

PHILOSOPHY 231* Ancient Philosophy **Three credit hours**
The history of philosophical thought in the Greco-Roman world from the Ionians to the Roman Stoics. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 233*† Practical Logic **Three credit hours**
A survey of the basic problems of clear and straight thinking with emphasis on their application to the use of language. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 234† Ethics **Three credit hours**
A study of basic methods and selected systems of ethical thinking discussed in terms of their relevance to present-day moral issues facing both individuals and society. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 331* Modern Philosophy **Three credit hours**
The history of the philosophical thought from the Renaissance to the present time. Prerequisite: Philosophy 231 or permission of the instructor. Alternate years. SPRING SEMESTER.

PHILOSOPHY 333* Philosophy of Religion **Three credit hours**
A philosophical investigation of such topics as faith and reason, religious language, nature and existence of God, religious view of man. Prerequisite: permission of the instructor. (Same as Religion 333.) Alternate years. SPRING SEMESTER.

PHILOSOPHY 432 Seminar in Philosophy **Three credit hours**
Advanced research on selected philosophical topics. Prerequisite: permission of the instructor. SPRING SEMESTER.

PHILOSOPHY 490 Philosophy Seminar in the Humanities **Three credit hours**
(Same as Humanities 490: Senior Humanities Seminar.)

RELIGION

The religion courses provide the opportunity for learning experiences in the following content areas: the Judeo-Christian tradition, including Biblical literature, church history, Afro-American perspectives; the African influence; other major religious traditions in the contemporary world; methods and procedures in Christian education and worship.

RELIGION 130† The Judeo-Christian Heritage **Three credit hours**
The essential insights and ideas of the Old and New Testaments and their continuing values for man today. FALL and SPRING SEMESTERS.

RELIGION 131† Survey of the Great Living Religions **Three credit hours**
A study of the living religions of the world, including the religions of Africa, in the light of their historical development, beliefs, practices, and contemporary importance. FALL and SPRING SEMESTERS.

RELIGION 231 Christian Education Program of the Church **Three credit hours**
A thorough study of the organization and administration of an effective church program for adults, youth and children. FALL SEMESTER.

RELIGION 232 The Life and Teachings of Jesus **Three credit hours**
A study of the life and teachings of Jesus as found in the four Gospels and their relation to current problems. FALL SEMESTER.

RELIGION 236 The History of Christianity in America **Three credit hours**
A continuation of Religion 235. Major aspects of Christian thought and institutions in the United States, from colonial days to the present, with special reference to the development of the Afro-American churches. Alternate years. SPRING SEMESTER.

RELIGION 330 The Black Man: His Religious Institutions and Thought **Three credit hours**
A study of the Afro-American religious experience. Attention to its African antecedents, its development in dependence upon and independence of Euro-American Christianity, and the emerging critique of religion's relevance to culture. SPRING SEMESTER.

RELIGION 331 Recent Developments in Religious Experience **Three credit hours**
The relation of contemporary religious thought to the occult, witchcraft, astrology, communal living, ESP, drug scene, and new modes of communication. SPRING SEMESTER.

RELIGION 335 The Sociology of Religion **Three credit hours**
A functional analysis of the interrelationships involving society, culture, and religion. The role of the church and religion in the social order and social change. Alternate years. SPRING SEMESTER.

RELIGION 430 Seminar in Religion **Three credit hours**
Advanced research on selected topics in religion. SPRING SEMESTER.

RELIGION 490 Religion Seminar in the Humanities **Three credit hours**
(Same as Humanities 490: Senior Humanities Seminar.)

DEPARTMENT OF FOREIGN LANGUAGES

The Department of Foreign Language is committed to assist in providing an environment in which Johnson C. Smith University students may realize their individual potential as stated in the official purpose of the University. The department seeks to contribute to the student's intellectual, spiritual, social, and emotional growth by developing the communication skills of understanding, speaking, reading, and writing a foreign language and by developing a knowledge and understanding of a foreign culture.

Minors are offered in French and in Spanish. In addition to the objectives previously stated, students who minor in French or Spanish develop the ability to compare and to contrast cultures objectively and to acquire a knowledge of the civilization and literature of the target language.

Students who have studied two or more years of a foreign language in high school are required to take a placement examination in the language studied. According to their scores, students will be placed in 131, 132, 231, 232. Those students who place in 231, as a result of the placement examination, have satisfied the equivalent of 132. They may elect to continue in the study of a foreign language as electives or upon recommendation of their major departments.

FRENCH

A minor in French consists of twelve credit hours beyond French 232, a total of twenty-four credit hours or the equivalent.

FRENCH 131 Elementary French **Three credit hours**
An introductory course in the audio-lingual skills of listening, speaking, reading, and writing.

FRENCH 132 Elementary French **Three credit hours**
Further emphasis on the audio-lingual skills. Prerequisite: French 131.

FRENCH 231 Intermediate French **Three credit hours**
Continued stress on reading and writing skills. Newspaper and magazine articles to be used as supplementary materials. Prerequisite: French 132.

FRENCH 232 Intermediate French **Three credit hours**
Reading of selected literary works. Special study of grammatical structure. Prerequisite: French 231.

FRENCH 331 French Civilization **Three credit hours**
A series of minicourses conducted in French history, geography, art, music, architecture, film, theatre, French-African literature, French for business and international affairs, and conversation. Prerequisite: French 232.

FRENCH 332 French Civilization **Three credit hours**
A continuation of French 331.

FRENCH 333 Advanced Studies in French Conversation, Grammar, and Composition **Three credit hours**
Instruction in French. Prerequisite: French 232.

FRENCH 334 French Phonetics **Three credit hours**

An intensive study in phonetics. Practical application of phonetics to modern standard French. Extensive oral exercises.

FRENCH 420 Materials and Methods of Teaching High School French **Two credit hours**

A six-week block course. SPRING SEMESTER.

FRENCH 430 French Linguistics **Three credit hours**

A study of the phonology, morphology, and syntax of the French language.

FRENCH 431 French Literature from the Origins Through the Renaissance **Three credit hours**

A study of the literature of France in its beginnings and development through the Middle Ages and the Renaissance. Conducted in French.

FRENCH 432 French Literature of the Seventeenth Century **Three credit hours**

A study of the masterpieces of the seventeenth century: the works of Corneille, Racine, Moliere, and La Fontaine. Conducted in French.

FRENCH 433 French Literature of the Eighteenth Century **Three credit hours**

A study of the significant writers and literary trends of the eighteenth century. Conducted in French.

FRENCH 434 French Literature of the Nineteenth Century **Three credit hours**

A study of the significant writers and literary trends of the nineteenth century. Conducted in French.

FRENCH 435 French Literature of the Twentieth Century **Three credit hours**

A study of the principal literary trends and significant writers since 1900. Conducted in French

SPANISH

A minor in Spanish consists of twelve credit hours beyond Spanish 232 or a total of twenty-four credit hours.

SPANISH 131 Elementary Spanish **Three credit hours**
A course designed to develop the skills necessary for oral and written expression.

SPANISH 132 Elementary Spanish **Three credit hours**
Continued practice in the skills of oral and written expression. Prerequisite: Spanish 131.

SPANISH 231 Intermediate Spanish **Three credit hours**
Further practice in conversation and composition. Analysis of the basic grammatical principles. Prerequisite: Spanish 132.

SPANISH 232 Intermediate Spanish **Three credit hours**
Continued emphasis on spoken and written Spanish. Prerequisite: Spanish 231.

SPANISH 331 Advanced Spanish Grammar, Composition, and Conversation **Three credit hours**
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 232.

SPANISH 332 Advanced Spanish Grammar, Composition, and Conversation **Three credit hours**
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 331.

SPANISH 333 Survey of Spanish and Spanish-American Literature to 1700 **Three credit hours**
Lectures, reading, discussions, and reports conducted in Spanish.

SPANISH 334 Survey of Spanish and Spanish-American Literature Since 1700 **Three credit hours**
Lectures, readings, discussions, and reports conducted in Spanish. Prerequisite: Spanish 333.

SPANISH 335 Spanish for Business **Three credit hours**
A conversational introduction to a specialized area of Spanish which provides the opportunity to acquire business tools in Spanish.

SPANISH 430 Latin American Civilization and Culture **Three credit hours**
Lectures, readings, discussions and reports dealing with Latin American history and culture.

SPANISH 431 The Golden Age of Spanish Literature: The Most Important Works **Three credit hours**
Lectures, readings, discussions, and reports. Includes masterpieces of the Golden Age. Conducted in Spanish. Prerequisite: Spanish 332.

DEPARTMENT OF MUSIC

The Department of Music has the following aims and objectives: first, to provide experiences contributing to the students' development as music creators, performers, and teachers; second, to lead students to an understanding of music as a means of universal and personal expression; third, to provide opportunities for students to experience many types and styles of music; fourth to assist students with special talent and interest to prepare for further education and careers in music-related fields; fifth, to provide career offerings and musical experience for students other than those enrolled in the music major program; and sixth, to provide enrichment for the cultural life of Johnson C. Smith University and the community at large.

Students planning to enter either the music education program or the music-business program should begin the course of study in the freshman year.

ENTRANCE REQUIREMENTS

The musical preparation required for admission into the music education and music business programs should include a knowledge of elementary theory sufficient for admission without condition to the freshman theory course and demonstration of sufficient background in the technique and literature of his chosen area of study.

An entrance examination will be given to students who wish to pursue either music major program. The examination will consist of an audition and an aptitude test. The audition should be arranged before arrival on campus. Auditions are also given during the Freshman Orientation Week and during the school year. Students who live great distances from the campus may submit tapes.

Students who are deficient in theory and in their major instrument will not be accepted into the Music Department until they demonstrate an acceptable entry level.

GENERAL REQUIREMENTS FOR ALL MUSIC MAJORS

All music majors are required to:

1. Attend concerts, seminars and recitals presented by the department. Attendance will be monitored and considered a part of the student's grade in applied music courses.
2. Participate in ensembles, with or without credit, during their entire period of study at the University.
3. Become members of the Student Chapter 341 of the Music Educators National Conference.
4. Demonstrate proficiency in a major performing medium by presenting a senior recital during their senior year.

5. Appear before the faculty for a jury examination in each applied music area studied at the end of each semester.
6. Attain minimum performance requirements in both piano and voice.
7. Pass a proficiency test in ear training, sight-singing and rhythmic reading at the end of the first semester of the junior year. Failure to pass this examination will require additional study, either in course work or private study, until this deficiency is removed.
8. Pass a comprehensive examination during the senior year covering music theory, music history and literature, and music education or music business. Failure to pass this examination will require additional study, either in course work or private study, until this deficiency is removed.

THE MUSIC EDUCATION MAJOR

The Bachelor of Arts degree with a major in music education is designed for students who wish to be certified in public school music. The music education program prepares the student for the North Carolina A Certificate for elementary and secondary school teaching. All music education majors are required to qualify for the North Carolina A Certificate and they must complete the professional and certification courses as outlined by the Department of Education, including Education 462, Student Teaching in the Secondary School. The student must pass the National Teachers Examination in order to be certified as a public school music teacher.

The student may select from two areas of preparation in music education, the Instrumental Program and the General Program. The student will demonstrate his competencies by completing forty-eight to fifty-three semester hours of study in music and music education.

The completion of the music education major will require either a heavier than average load during the student's four years, one or two summer sessions, an additional semester, or a fifth year.

MUSIC FEES

Individual lessons in all applied music: $15.00 per one-half credit hour. Practice fee for all instruments: $10.00 per semester.

ENSEMBLES

The Johnson C. Smith University Choir

The Johnson C. Smith University Choir is composed of students selected from all departments of the University and has been enthusiastically received in outstanding performances in many sections of the country. The choir studies and performs, with the highest standards possible, the best choral literature selected from the various periods

and styles. The study and performance of this literature emphasizes (1) the principles of vocal production, i.e., breathing, posture, diction, tone quality, balance, blending, and (2) interpretation, i.e., tempo and rhythm, phrasing, dynamics and climax, attack and unanimity, pitch or intonation, and spirit or emotion. Members are accepted on the basis of a simple audition and may register for credit or participate without credit.

The Johnson C. Smith University Marching Band

The Johnson C. Smith University Marching Band is composed of students selected from all departments of the University. The Marching band studies and performs, with the highest standards possible, and the best marching band literature. The band performs at all home football games, and on occasion, at games played away from the campus. Occasionally, the band participates in parades and other functions held within the Charlotte area. Members are accepted on the basis of auditions which are held at the beginning of each fall semester. Members receive one credit hour for each semester in which they participate.

The Johnson C. Smith University Concert Band

The Johnson C. Smith University Concert Band is composed of students selected from all departments of the University. The Concert Band performs on the campus and at schools and other functions held within the Charlotte area. The band studies and performs the best band literature with the highest possible standards. The band serves as a laboratory for instrumental conducting students. Members are accepted on the basis of auditions which are held at the beginning of the spring semester. Members receive one credit hour for each semester in which they participate.

The Johnson C. Smith University Jazz Band

The Johnson C. Smith University Jazz Band is composed of members of the Concert Band. The Jazz Band strives to develop the talents of members in the area of jazz and Big Band music style. The band performs on the campus and throughout the Charlotte area. Auditions for membership in the Jazz Band are open to members of the Concert Band.

The University String Ensemble

The University String Ensemble is open to all students of the University. It studies and performs literature of the various periods and styles. The ensemble meets once a week and presents one performance each semester.

All ensembles serve as laboratories for conducting, and, where applicable, accompanying. All applied music classes serve as laboratories for accompanying.

THE MUSIC MINOR

A minor in music consists of twenty credit hours, including eight credit hours of theory, six credit hours of music history and literature, and six credit hours of approved electives.

MUSIC THEORY

MUSIC 132 The Fundamentals of Music **Three credit hours**
A review course in basic musicianship, including the fundamentals of music and music theory. (Four class meetings per week.)

MUSIC 133 Music Theory I **Three credit hours**
The integrated study of written theory and harmony, keyboard harmony, aural theory, analysis, and literature. Prerequisite: demonstration of competencies in Music 132. (Four class meetings per week.)

MUSIC 134 Music Theory II **Three credit hours**
A continuation of areas begun in Music 133. Prerequisite: demonstration of competencies required in Music 133. (Four class meetings per week.)

MUSIC 233 Music Theory III **Three credit hours**
The advanced integrated study of the materials and literature of music. Prerequisite: demonstration of competencies required in Music 134. (Four class meetings per week.)

MUSIC 234 Music Theory IV **Three credit hours**
A continuation of areas begun in Music 233. Prerequisite: demonstration of competencies required in Music 233. (Four class meetings per week.)

MUSIC 322 Conducting **Two credit hours**
A study of the technique of conducting instrumental and vocal groups.

MUSIC 323 Orchestration **Two credit hours**
A study of instruments of the orchestra, together with the practical study of the art of symphonic scoring.

MUSIC 427 Form and Analysis **Two credit hours**
A study of the small part-forms through the larger part-forms.

APPLIED MUSIC

Piano

MUSIC 113-114 Piano (Individual) **One credit hour**
Instruction to meet the needs of students at various stages of proficiency.

MUSIC 213-214 Piano (Individual **One credit hour**
Additional technique and repertoire materials.

MUSIC 313-314 Piano (Individual) **One credit hour**
Continuation of advanced technique and literature.

MUSIC 413-414 Piano (Individual) **One credit hour**
Continuation of advanced technique and literature. Senior recital.

MUSIC 423-424 Piano (Individual) **Two credit hours**
Advanced study of technique and repertoire.

Organ

MUSIC 117-118 Organ (Individual) **One credit hour**
A course requiring students to demonstrate ability to play the piano fluently, to have a working knowledge of scales, triads, and arpeggios, and to sight-read accurately. Principles of organ touch and technique; preparatory manual and pedal studies; selected pieces from standard organ repertoire.

MUSIC 217-218 Organ (Individual) **One credit hour**
Advanced pedal and manual studies continued. Simple modulations at the organ; transpositions and improvisations; repertoire building continued.

MUSIC 317-318 Organ (Individual) **One credit hour**
Continuation of previous course.

MUSIC 417-418 Organ (Individual) **One credit hour**
Continuation of previous course.

Voice

MUSIC 115-116 Voice **One credit hour**
Study and principles of voice production, examination and evaluation of solo materials, classification of voices. Prerequisite to advanced courses in voice.

MUSIC 215-216 Voice (Individual) **One credit hour**
Continuation of Voice 115-116.

MUSIC 315-316 Voice (Individual) **One credit hour**
Continuation of Voice 215-216.

MUSIC 415-416 Voice (Individual) **One credit hour**
Continuation of Voice 315-316. Senior recital.

MUSIC 425-426 Voice (Individual) **Two credit hours**
Advanced study of technique and repertoire.

Orchestral Instruments

MUSIC 610-611 String Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions

MUSIC 612-613 Strings (Individual) **One credit hour**

MUSIC 614-615 Strings (Individual) **One credit hour**

MUSIC 616-617 Strings (Individual) **One credit hour**

MUSIC 618-619 Strings (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUSIC 710-711 Woodwind Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.

MUSIC 712-713 Woodwind (Individual) **One credit hour**

MUSIC 714-715 Woodwind (Individual) **One credit hour**

MUSIC 716-717 Woodwind (Individual) **One credit hour**

MUSIC 718-719 Woodwind (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. Senior recital.

MUSIC 720-721 Woodwind (Individual) **Two credit hours**
Advanced study of technique and repertoire.

MUSIC 810-811 Brass and Percussion Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.

MUSIC 812-813 Brass and Percussion (Individual) **One credit hour**

MUSIC 814-815 Brass and Percussion (Individual) **One credit hour**

MUSIC 816-817 Brass and Percussion (Individual) **One credit hour**

MUSIC 818-819 Brass and Percussion (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. Senior recital.

MUSIC 820-821 Brass and Percussion (Individual) **Two credit hours**
Advanced study of technique and repertoire.

MUSIC EDUCATION

MUSIC 339 The Teaching of Music in the Elementary School **Three credit hours**
Principles, objectives, materials, and procedures for meeting the needs of the classroom teacher in the elementary school. Designed for elementary education majors.

MUSIC 432 Music in the School Curriculum **Three credit hours**
Principles, objectives, materials, and procedures for meeting the needs of the music teacher in the total school curriculum. The problems of organization, administration and teaching techniques of the music teacher and supervisor in the elementary through the secondary school will be explored. Required for all music education majors.

MUSIC 433 Vocal and Choral Methods **Three credit hours**
Study of the voice dealing with techniques of vocal production, vocal problems, vocal literature and techniques for teaching voice to students and adults. Methods, materials, rehearsal techniques, administration and other major choral problems will be studied. Required for general music education majors.

MUSIC 434 Instrumental Methods **Three credit hours**
Study of methods, materials, techniques, organization, administration, equipment, marching band techniques and other major problems of instrumental teaching. Required for instrumental music education majors.

MUSIC LITERATURE AND HISTORY

MUSIC 131 Introduction to Music Literature **Three credit hours**
An introduction to the history and literature of music.

MUSIC 337-338 Music History and Literature **Three credit hours**
A general survey of the development of music from primitive sources to the present day.

MUSIC 429 Independent Study or Seminar **Two credit hours**
Investigation of some aspect of music or music education. Prerequisite: permission of the department.

ENSEMBLES

MUSIC 1H1-1H2 Vocal Ensemble (University Choir) **One credit hour**

A course that presents choral music of the best type in performances of the highest possible standard. Members chosen by audition.

MUSIC 1H3-1H4 Instrument Ensemble (University Band) **One credit hour**

A course that presents instrumental music of the best type in performances of the highest possible standard. Members chosen by audition.

CURRICULUM FOR MUSIC EDUCATION MAJORS (INSTRUMENTAL)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Phil 131 or Religion 130	3	Mathematics 132	3
Mathematics 131	3	Speech 131	3
Music 133	3	Music 134	3
Music 113	1	Music 114	1
Music 115	1	Music 116	1
Major Instrument	1	Major Instrument	1
Physical Education (Activity)	1	Physical Education (Activity)	1
Orientation 120	2	Physical Education 121	2
	18		18

Sophomore Year

English 231	3	English 232	3
French 131	3	French 132	3
Art 231	3	Social Science Requirement	3
Education 230	3	Education 231	3
Music 233	3	Music 234	3
Music 213	1	Music 214	1
Major Instrument	1	Major Instrument	1
Music 610	1	Music 611	1
	18		18

Summer: Psychology 237
Summer: Education 321

Junior Year

History 131	1	History 132	3
Major Instrument	1	Psychology 239	3
Music 810	1	Social Science	3
Education 312	1	Education 393	3
Music 131	3	Music 338	3
Music 332	3	Music 711	1
Music 337	3	Major Instrument	1
Music 427	2	Music 811	1
Music 710	1		
	16		18

Senior Year

Biology 140	4	Education 432	3
Physical Science 141	4	Education 492	9
Music 432	3		
Music 434	3		
Music 323	2		
Major Instrument	2		
	18		12

CURRICULUM FOR MUSIC EDUCATION MAJORS
(GENERAL)
PIANO/VOICE

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Religion 130 or Phil 131	3	Mathematics 132	3
Mathematics 131	3	Speech 131	3
Music 133*	3	Music 134*	3
Music 113	1	Music 114	1
Music 115	1	Music 116	1
Physical Education (Activity)	1	Physical Education (Activity)	1
Orientation 120	2	Physical Education 121	2
	17		17

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
French 131	3	French 132	3
Education 230	3	Education 231	3
Music 233	3	Music 234	3
Music 213	1	Music 214	1
Music 215	1	Music 216	1
	17		17

Summer: Psychology 237

Junior Year

Art 231	3	Psychology 239	3
History 131	3	History 132	3
Education 312	1	Social Science	3
Music 131	3	Education 393	3
Music 337	3	Music 338	3
Music 313	1	Music 314	1
Music 315	1	Music 316	1
Music 427	2	Music 810	1
	17		18

Summer: Physical Science 141

Senior Year

Biology 140	4	Education 432	3
Music 433	3	Education 492X	9
Music 432	3		
Music 322	2		
Music 610	1		
Music 710	1		
Major Instrument	2		
	16		12

MUSIC-BUSINESS MAJOR

The Bachelor of Arts degree with a major in music and a concentration in business is designed for students who wish to pursue a career in music and business, encompassing management, sales and other business facets of music production. This course of study will present to the student the fundamentals of music theory and practice, applied music and music history and literature. Applied music courses will stress technique, repertoire, and sources of materials of all instruments.

The program requires a minimum of seventy/seventy-one semester hours credit for graduation. A summary of the required areas is as follows: music, twenty-two/twenty-six semester hours; business, twenty-one semester hours; internship (Economics 461), six semester hours; electives (music-business), eighteen/twenty-one semester hours.

The most important aspect of the curriculum is that of the internship. Internships are based on the cooperative education principle—that of combining classroom learning with periodic intervals of planned and supervised practical experience away from the campus.

The management of artists is investigated and the possibility of working with radio and television is explored. In short, this course of study attempts to give the student the fundamentals of music theory, history and practice, as well as an understanding of the operation of the business system of the lucrative field of music.

APPLIED MUSIC

All students will complete six semester hours credit in a major instrument. The choice of the major instrument will determine the curriculum which the student will follow.

All students will be auditioned in their major instrument and given advice relative to their registration and choice of a program of study.

ENSEMBLES

All students are expected to participate in ensembles for a minimum of two years.

The student may earn a maximum of four semester hours credit toward graduation and he may elect ensembles each semester for no credit, depending upon his load.

ELECTIVES

The student will augment the basic program with courses elected from the following list:

Music

Ensembles—University Choir 1H1-1H2
University Band 1H3-1H4
(Maximum—four credit hours)

	Credit Hours
Conducting—Music 322	2
Orchestration—Music 323	2
Music Literature and History—Music 337-338	3 (each semester)
Form and Analysis—Music 427	2

NOTE: Theory—Music 233-234 is a prerequisite of the above music courses, with the exception of the ensemble courses.

Business	**Credit Hours**
Principles of Management—Business 333	3
Personnel Management—Business 334	3
Microeconomic Theory—Economics 335	3
Marketing Research—Marketing 431	3
Managerial Marketing—Marketing 432	3
Accounting—Intermediate 335-336	3 (each semester)
Marketing—Advertising 332	3

NOTE: These courses must be approved by the Business Administration Department.

SUGGESTED PROGRAM OF STUDIES FOR MUSIC-BUSINESS MAJORS PIANO/ORGAN

First Year

Courses	Fall Semester	Spring Semester
English 191-192	3	3
Philosophy 131 or Religion 130	3	—
Art 231	—	3
Mathematics 131-132	3	3
Speech 131	—	3
Music 131	3	
Music 133-134*	3	3
Music 113-114 OR Music 117-118	1	1
Orientation 120	2	—
Total	18	16

**Students who do not demonstrate competencies to pursue this course will be required to take Music 132, The Fundamentals of Music.*

Second Year

Courses	Fall Semester	Spring Semester
English 231-232	3	3
History 131-132	3	3
Social Science	3	3
Music 213-214 OR Music 217-218	1	1
Music 610	1	—
Music 115	—	1
Music 233-234	3	3
Economics 131-132	3	3
Physical Education (Activity)	1	1
Total	18	18

Summer: Biological Science 140 - 4 Semester Hours

Third Year

Principles of Accounting 235-236	3	3
Principles of Marketing 331	3	—
Marketing and Salesmanship 333	3	—
Marketing and Retailing 334	—	3
Physical Science 141	4	—
Music 313-314 OR Music 317-318	1	1
Music 710	1	1
Music 810	—	1
Electives	—	4
French 131-132	3	3
Physical Education 121	—	2
	18	18

Fourth Year

Music 429 (Projects)	2	—
Music 117**	1	*
Economics 461 (Internship)	—	6
Electives	14-15	—
Total	17-18	6

*For Organ majors
**For Piano majors

VOICE/WOODWINDS/BRASS OR PERCUSSION/STRINGS

First Year

Courses	Fall Semester	Spring Semester
English 191 and 192	3	3
Philosophy 131 or Religion 130	3	—
Art 231	—	3
Mathematics 131-132	3	3
Speech 131	—	3
Music 131	3	—
Music 133-134*	3	3
Music 113-114	1	1
Music 115-116 OR Music 712-713 OR Music 812-813 OR Music 612-613	1	1
Applied Music	1	—
Physical Education (Activity)	—	1
Total	18	18

Second Year

English 231-232	3	3
History 131-132	3	3
Social Science Requirement 131	3	
Music 213-214	1	1
Music 215-216 OR Music 714-715 OR Music 814-815 OR Music 614-615	1	1
Music 233-234	3	3
Economics 131-132	3	3
Applied Music	—	1
Physical Education (Activity)	1	1
Total	18	16

Summer: Biological Science - 4 Semester Hours
Social Science requirement - 131

Third Year

Principles of Accounting 235-236	3	3
Principles of Marketing 331	3	3
Marketing and Salesmanship 333	3	3
Marketing and Retailing 334	—	3
Physical Science 141	4	—
Applied Music**	2	1
French 131-132	3	3
Physical Education 121	—	2
Total	18	18

**Students who do not demonstrate competencies to pursue this course will be required to take Music 132, the Fundamentals of Music.*

***The student's major instrument will determine the selection of applied music courses during the junior year.*

Courses	Fall Semester	Spring Semester
Applied Music**		
Voice 315-316	1	1
Woodwinds 710	—	1
Organ 117	1	—
Strings 610	1	—
OR		
Woodwinds 716-717	1	1
Voice 115	—	1
Organ 117	1	—
Strings 610	1	—
OR		
Brass or Percussion 816-817	1	1
Voice 115	—	1
Organ 117	1	—
Strings 610	1	—
OR		
Strings 616-617	1	1
Woodwinds 710	—	1
Organ 117	1	—
Voice 115	1	—

Fourth Year

Music 429 (Projects)	2	—
Economics 461 (Internship)	—	6
Brass/Percussion 810 OR Woodwinds 710	1	—
Electives	13-15	—
Total	16-18	6

DIVISION II: THE SOCIAL SCIENCES

The Division of Social Sciences is composed of the following departments: Business Administration-Economics, History-Political Science, Sociology-Social Work, and Urban Studies and Community Affairs. The division offers majors in business administration (with a concentration in accounting, banking and finance, management, and marketing), economics, history, political science, social science (social studies), social work, sociology, and urban studies. Students majoring in any of the above areas are required to take the introductory course in each of the following disciplines: economics, political science, sociology, history and urban studies and community affairs.

WASHINGTON CENTER FOR LEARNING ALTERNATIVES

Johnson C. Smith University is affiliated with the Washington Center for Learning Alternatives. The Washington program is competitive and only students with a grade point average of 3.0 or better should apply. Students may apply for full-time academic internships for either the Fall or Spring Semester or one of the symposia programs (one to three weeks) which use a combination of lectures, discussion, and site visits to provide for the development of students. Internships are available in Congressional offices, Executive agencies, judicial organizations, public and special interest groups, national associations, and community programs. A limited amount of financial aid is available to minority students.

THE SOCIAL SCIENCE MAJOR (SOCIAL STUDIES EDUCATION)

The social science major, consisting of forty-two credit hours of course work, is designed basically to accommodate two categories of students: (1) those who are prospective social studies teachers and (2) those who are seeking a more general background in the social science area. Students electing to major in the social sciences are required to complete twenty-one credit hours of subject matter concentration (history is highly recommended) and twenty-one credit hours of course work chosen from three or more of the other major areas in the social sciences division, including History 235 which may count in either category.

Because history remains a basic part of the secondary school curriculum, prospective teachers will be more marketable with a concentration in history. In this case History 131-132, 135-136, 235, plus any six credit hours electives in history are required. Students concentrating in a social science discipline other than history are required to take all required courses within that discipline plus History 235.

The prospective teacher should check with the Department of Education for a list and sequence of education courses required. Education 326, Materials and Methods in High School Social Studies, is required.

SOCIAL SCIENCE

SOCIAL SCIENCE 326 Material and Methods in High School Social Studies **Two credit hours**

Concerned with the philosophy, aims, methods, and techniques of teaching the social studies in secondary school. This course is a prerequisite for student teaching in the field of social studies. Offered upon demand.

SOCIAL SCIENCE 490 Social Science Seminar **Three credit hours**

A course designed to help students to achieve a synthesis of social science knowledge. Conducted by selected members of the division faculty. Open to juniors and seniors, open to non-majors by permission of the staff. Offered for credit in students' chosen areas of concentration. (Same as Sociology 490.)

CURRICULUM FOR SOCIAL SCIENCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Sociology 131	3	Psychology 131	3
History 131	3	History 132	3
Speech 131	3	Music 131	3
Math 131	3	Math 132 or 136	3
Orientation 120	2	Physical Education (Activity)	1
	17		16

Sophomore Year

English 231	3	English 232	3
History 235	3	Art 231	3
Biology 140	4	Physical Science 141	4
Physical Education (Activity)	1	Physical Education 121	2
French or Spanish 131	3	French or Spanish 132	3
Education 232	3	Education 230	3
	17		18

Junior Year

History 135	3	History 136	3
Sociology 133	3	History elective	3
Geography 130	3	Political Science 131	3
Psychology 237	3	Education 395	3
Education 331	3	Psychology 239	3
Religion 130 or Phil 131	3	Education 393	3
	18		18

Senior Year

Economics 131	3	Education 432	3
Social Science 326	2	Education 492X	9
History electives	6		
Social sciences electives	6		
	17		12

DEPARTMENT OF BUSINESS ADMINISTRATION

The Department of Business Administration has a fourfold purpose: first, to guide students in understanding the operation of business and economic systems and to stress the interrelation among the various social sciences; second, to prepare students for entry level jobs in profit and nonprofit-making organizations; third, to provide a broad background for majors who intend to pursue graduate studies in economics, business, and other related fields; fourth, to develop leadership qualities in students that are necessary for making a constructive contribution to society through a chosen vocation.

The department offers the Bachelor of Arts Degree in Economics and the Bachelor of Science Degree in Business Administration with a concentration in either Accounting, Banking and Finance, Management, or Marketing.

In addition to the general education requirements, each student is expected to complete a 3 hour International elective course offered by the business department. All Economics and Business Administration majors must complete the following Business Administration core:

Accounting 235-236	6 hrs.	Management 333	3 hrs.
Economics 231-232	6 hrs.	Management 335	3 hrs.
Economics 233	3 hrs.	Management 435	3 hrs.
Economics 234	3 hrs.	Marketing 331	3 hrs.
Banking and Finance 330	3 hrs.	Computer Science 131	3 hrs.

ECONOMICS (EC)

A Bachelor of Arts Degree in Economics requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 9 hours of Economics in addition to the core courses, Banking and Finance 331 (3 hrs.) and 15 hours of electives. Nine hours of electives must be chosen from the Economics area.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Economics 335	3 hrs.	Economics 433	3 hrs.
Economics 336	3 hrs.	Banking and Finance 331	3 hrs.

Description of Courses in Major area

ECONOMICS 231-232 Principles of Economics **Three credit hours each**

An introductory course in principles and theories of economics. Prerequisite: English 192 and Math 131-132.

ECONOMICS 233 Quantitative Methods **Three credit hours**

An introduction to analytical decision-making tools used in business and economics. Topics include matrices, linear programming, simulation, queuing theory, and others. Prerequisite: Economics 231-232.

ECONOMICS 234 Statistics **Three credit hours**
Principles of applied business statistics, collection, tabulation, classification, presentation of business and economic data. Prerequisite: Economics 233.

ECONOMICS 332 Urban and Regional Economics **Three credit hours**
An analysis of the various theories of regional and urban development.

ECONOMICS 333 Economic Development of the United States **Three credit hours**
A study of the economic history of the United States during the twentieth century. Prerequisite: Economics 231-232.

ECONOMICS 334 International Economics and Social Problems **Three credit hours**
A comprehensive view of the international field of exchange, production, and distribution.

ECONOMICS 335 Microeconomic Theory **Three credit hours**
Examination of value and distribution theory, including the theory of consumer behavior and the theory of the firms. Prerequisite: 231-232.

ECONOMICS 336 Macroeconomic Theory **Three credit hours**
An analysis of the national income level, employment and price level. Prerequisite: Economics 335.

ECONOMICS 431 Industrial Organization and Regulation of Business **Three credit hours**
A discussion of market structures and problems of public policy created by the attempt at their control and regulation. Prerequisite: Economics 335 and 336.

ECONOMICS 433 Economic Development **Three credit hours**
A study of the economics of underdeveloped countries. Major concentration on African countries. Prerequisite: Economics 335 and 336.

ECONOMICS 461 A-B Cooperative Education Experience I **Six credit hours each**
Full-time cooperative education experience related to Economics. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

ECONOMICS 490 Internship **Three credit hours**
Internship related to Economics. MInimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

ECONOMICS 491 A-B Cooperative Education Experience II **Three credit hours each**
Part-time cooperative education experience related to Economics. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Economics 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 132	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Ed. (Activity)	1
Physical Ed. (Activity)	1		
	18		16

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil. 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	3	Economics 232	3
	17		18

Junior Year

Economics 233	3	Economics 234	3
Banking and Finance 330	3	Marketing 331	3
Banking and Finance 331	3	Management 333	3
Management 335	3	Physical Science 141	4
Biology 140	4	Elective	3
	16		16

Senior Year

Economics 335	3	Economics 336	3
Economics 433	3	Management 435	3
Electives	6	Electives	6
(Controlled by Dept.)			
	12		12

BUSINESS ADMINISTRATION

The courses offered in the Business Administration Curriculum provide specialized concentration in four areas: Accounting, Banking and Finance, Management, and Marketing. Each student is required to choose one area of concentration.

ACCOUNTING (AC)

A Bachelor of Science in Business Administration with a concentration in Accounting requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business

Administration core, 21 hours of Accounting and Accounting-specified courses (in addition to the core), and 6 hours of electives.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Accounting 335	3 hrs.	Accounting 437	3 hrs.
Accounting 336	3 hrs.	Accounting 439	3 hrs.
Accounting 337	3 hrs.	Management 336	3 hrs.
Accounting 435	3 hrs.		

Description of Courses in Major Area

ECONOMICS 235 Principles of Accounting (I) **Three credit hours**
A study of fundamental accounting principles with emphasis on managerial use of accounting data and analysis of financial statements. Prerequisite: Math 131-132.

ACCOUNTING 236 Principles of Accounting (II) **Three credit hours**
A study of basic accounting theory, corporate reporting, and a continuation of the topics covered in Accounting 235. Prerequisite: Accounting 235.

ACCOUNTING 335 Intermediate Financial Accounting (I) **Three credit hours**
An analysis of the requirements of the members of a firm's external environment for financial data of the organization. Prerequisite: Accounting 236.

ACCOUNTING 336 Intermediate Financial Accounting (II) **Three credit hours**
A continuation of the subject matter of AC 335, including examples involving public sector firms. Prerequisite: Accounting 335.

ACCOUNTING 337 Cost Accounting **Three credit hours**
The study of basic principles, practices, and procedures of cost accounting including coverage of job order costing, process cost accounting, managerial profit planning and analysis, and budgeting. Prerequisite: Accounting 336.

ACCOUNTING 435 Advanced Accounting **Three credit hours**
An in-depth study of corporate accounting. Includes an analysis and evaluation of the structure and use of financial statements and reports, including consolidated statements. Prerequisite: Accounting 336.

ACCOUNTING 436 CPA Review **Three credit hours**
Problems of accounting peculiar to examination leading to CPA Certificate. Prerequisite: Accounting 435.

ACCOUNTING 437 Federal Income Tax Analysis I **Three credit hours**
An analysis of Federal Income Taxation and its application to individual and organizations. Prerequisite: Accounting 236.

ACCOUNTING 438 Federal Income Tax Analysis II **Three credit hours**
A continuation of AC 437. Emphasis is given to the issues of estates, trusts, and inheritance taxes. Prerequisite: Accounting 437.

ACCOUNTING 439 Auditing **Three credit hours**
A study of the purposes and scope of audits and examinations, auditing standards, various types of audits, and the form of auditing reports. Prerequisite: Accounting 336.

ACCOUNTING 461 A-B Cooperative Education Experience I **Six credit hours**
Full-time cooperative education experience related to Accounting. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

ACCOUNTING 490 Internship **Three credit hours**

Internship related to Accounting. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

ACCOUNTING 491 A-B Cooperative Education Experience II **Three credit hours each**

Part-time cooperative education experience related to Accounting. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid on-the-job experience. Otherwise, similar to Accounting 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 132	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Ed. (Activity)	1
Physical Ed. (Activity)	1		
	18		16

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil. 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	3	Economics 232	3
	17		18

Junior Year

Economics 233	3	Economics 234	3
Management 335	3	Management 336	3
Biology 140	4	Physical Science 141	4
Accounting 335	3	Management 333	3
Accounting 337	3	Accounting 336	3
	16		16

Senior Year

Accounting 437	3	Accounting 435	3
Accounting 439	3	Management 435	3
Banking and Finance 330	3	Maketing 331	3
Elective	3	Elective	3
(Controlled by Dept.)			
	12		12

BANKING AND FINANCE (BF)

A Bachelor of Science in Business Administration with a concentration in Business and Finance requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 18 hours of Banking and Finance and Banking and Finance-specified courses (in addition to the core), and 9 hours of electives.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Business and Finance 331	3 hrs.	Business and Finance 431	3 hrs.
Business and Finance 332	3 hrs.	Business and Finance 432	3 hrs.
Business and Finance 430	3 hrs.	Accounting 335	3 hrs.

Description of Courses in Major Area

BANKING AND FINANCE 231 Personal and Family Finance Three credit hours
An analysis of financial decisions and judgments which the average family must make during a lifetime. Prerequisite: Math 131-132. (Same as Sociology 130)

BANKING AND FINANCE 330 Business Finance Three credit hours
An introduction to objectives, environment, tools, and decisions of financial management. Emphasis upon the firm's investment, financing and dividend decisions. Prerequisite: Accounting 235 and 236 and Economics 231-232. Required of all Business Administration majors.

BANKING AND FINANCE 331 Money and Banking Three credit hours
An examination of money, the U.S. financial system, central banking, monetary theory, stabilization policies, inflation, and international financial considerations. Prerequisite: Accounting 235-236, Economics 231-232.

BANKING AND FINANCE 332 Management of Commercial Banks Three credit hours
An analysis of the theory, issues, and practice of commercial banking from a financial management perspective. Includes the use of bank computer simulation. Prerequisite: Banking and Finance 330 and 331.

BANKING AND FINANCE 333 Credit Analysis Three credit hours
The study of the different classes of credit, credit instruments, and the analysis of credit risk. The latter topic will include techniques for evaluating a business, an industry, management, financial statements, and cash flow. Prerequisite: Banking and Finance 330. Offered in alternate years.

BANKING AND FINANCE 334 International Finance Three credit hours
An introduction to the special financial problems encountered by a business concern or commercial bank operating in the international environment. Emphasis is given to cross-border transactions and risks, international financial markets and institutions, and the financing of foreign trade and operations. Prerequisites: Banking and Finance 330 and 331. Offered in alternate years.

BANKING AND FINANCE 430 Problems in Finance Three credit hours
A case study approach to the investigation of major financial management decisions and decision-making techniques. Utilization of computers in the financial analysis process. Prerequisite: Banking and Financial 330.

BANKING AND FINANCE 431 Investments **Three credit hours**

An investigation of the investment environment and the concepts and practice of security analysis and portfolio management. Includes the use of computer simulation. Prerequisite: Banking and Finance 330.

BANKING AND FINANCE 432 Financial Institutions and Markets **Three credit hours**

An introduction to money and capital markets, financial intermediation, and bank and non-bank financial institutions as they relate to the supply and demand of loanable funds. Prerequisite: Banking and Finance 330.

BANKING AND FINANCE 433 Financial Research and Analysis **Three credit hours**

A seminar approach to the examination of the following topics from the perspective of finance: problem formulation, literature review, research and analytical design, data collection, and analysis of data. Culminates with the completion of an investigative paper. Prerequisite: Banking and Finance 330-331.

BANKING AND FINANCE 461 A-B Cooperative Education Experience I **Six credit hours each**

Full-time cooperative education experience related to Banking and Finance. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

BANKING AND FINANCE 490 Internship **Three credit hours**

Internship related to Banking and Finance. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic and the business world. Student must have a minimum overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

BANKING AND FINANCE 491 A-B Cooperative Education Experience II **Three credit hours each**

Part-time cooperative education experience related to Banking and Finance. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Banking and Finance 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 132	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Ed. (Activity)	1
Physical Ed. (Activity)	1		
	18		16

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil. 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	3	Economics 232	3
	17		18

Junior Year

Accounting 335	3	Management 333	3
Economics 233	3	Economics 234	3
Biology 140	4	Physical Science 141	4
Banking and Finance 330	3	Banking and Finance 332	3
Banking and Finance 331	3	Elective (Controlled by Dept.)	3
	16		16

Senior Year

Marketing 331	3	Management 435	3
Management 335	3	Banking and Finance 432	3
Banking and Finance 430	3	Electives	6
Banking and Finance 431	3		
	12		12

MANAGEMENT (MG)

A Bachelor of Science in Business Administration with a concentration in Management requires the completion of a minimum of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 9 hours of Management (in addition to the core), and the specified number of electives. The concentration in Management also requires the completion of 12 to 16 hours in one of the following technical minors: Computer Science, Accounting, Natural Science or Banking and Finance.

Computer Science Option (1)
12 hours including the 3 required in the core.

Accounting Option (2)
12 hours including Accounting 335 and 337 in addition to the 6 required in the core.

Natural Science Option (3)
16 hours including the 8 hours required in the general education program. Twelve of the 16 hours must be in the same science discipline.

Banking and Finance Option (4)
12 hours to include Banking and Finance 331 and two other Banking and Finance courses in addition to the 3 hours required in the core.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATIONAL REQUIREMENTS, THE CORE, AND THE TECHNICAL MINOR OPTION)

Management 334 Management 436
Management 432

Description of Courses in Major Area

MANAGEMENT 331 Principles of Insurance **Three credit hours**
A study of the economic and social services, as well as the techniques and underlying principles of insurance. Prerequisite: Math 131-132.

MANAGEMENT 333 Principles of Management **Three credit hours**
A study of the principles and techniques underlying the successful organization and management of business activities. Discussion of planning, staff, directing, and controlling industrial enterprise. Prerequisite: Math 131-132.

MANAGEMENT 334 Personnel Management **Three credit hours**
A study of the basic principles of management, employment procedures, testing, training, remuneration plans, handling of grievances, promotion, and transfer of personnel records. Prerequisite: Management 333.

MANAGEMENT 335-336 Legal Environment of the Firm (I and II) **Six credit hours**
A course dealing with the elements of business law. Prerequisite: English 191-192.

MANAGEMENT 339 Small Business Management **Three credit hours**
Stresses the importance of small business management, methods, sources, and procedures. Prerequisites: Math 131-132.

MANAGEMENT 432 Production Control **Three credit hours**
Development of ability to analyze and to solve production problems and to formulate production policies. Introduction to quantitative techniques in production management. Prerequisite: Management 333.

MANAGEMENT 435 Business Policy **Three credit hours**
The administrative process under conditions of uncertainty. Emphasis in integrating knowledge acquired in the functional areas of business administration in formulating management policies. Prerequisite: Senior standing and a concentration in one of the Business Administration disciplines.

MANAGEMENT 436 Organizational Behavior and Design **Three credit hours**
An analysis of individual and group behavior and organizational structure from the perspective of goal-oriented managers. Prerequisite: Management 333.

MANAGEMENT 437 Special Topics in Management **Three credit hours**
Permits groups of students and professor to explore areas not extensively covered in other courses. Prerequisite: Senior standing and a concentration in one of the Business Administration disciplines. This course may be repeated for additional credit.

MANAGEMENT 438 International Business **Three credit hours**
This course will examine the unique problems faced by firms that engage in International operations. It is expected to provide students with a description and analysis of the mechanics of doing business abroad.

MANAGEMENT 461 A-B Cooperative Education Experience I **Six credit hours**

Full-time cooperative education experience related to Management. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

MANAGEMENT 490 Internship **Three credit hours**

Internship related to Management. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

MANAGEMENT 491 A-B Cooperative Education Experience II **Three credit hours each**

Part-time cooperative education experience related to Management. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Management 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 132	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Education (Activity)	1
Physical Education (Activity)	1		
	18		16

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	3	Economics 232	3
	17		18

Junior Year

Economics 233	3	Economics 234	3
Management 335	3	Management 334	3
Management 333	3	Banking and Finance 330	3
Biology 140	4	Physical Science 141	4
Elective (Controlled by Department)	3	Elective or Technical Minor	3(4)
	16		16 (17)

Senior Year

Management 432	3	Management 435	3
Marketing 331	3	Management 436	3
Elective	3	Elective or Technical Minor	3
Technical Minor	3 (4)	Elective	3
	12 (13)		12

MARKETING (MKT)

A Bachelor of Science in Business Administration with a concentration in Marketing requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 12 hours of marketing courses (in addition to the core), the specified number of electives, and 12 hours (including core courses) in one of the following technical minors: Computer Science, Accounting, or Banking and Finance (see technical minor options 1, 2, and 4 for Management majors).

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS, THE CORE, AND THE TECHNICAL MINOR OPTION)

Marketing 332	Marketing 335
Marketing 334	Marketing 431

Description of Courses in Major Area

MARKETING 331 Principles of Marketing **Three credit hours**
A course designed to show the characteristics, history, and functions related to marketing. Emphasis on product definition, promotion, distribution, and pricing. Prerequisite: Math 131-132.

MARKETING 332 Advertising **Three credit hours**
A course intended to provide an understanding of advertising, its functions in our way of life, and its role in business. Prerequisite: Marketing 331.

MARKETING 334 Principles of Retailing **Three credit hours**
An introduction to the structure of retailing and problems associated with the management of retail stores of various types. Prerequisite: Marketing 331.

MARKETING 335 Fundamentals of Selling **Three credit hours**
A course designed to provide the student with a general survey of the various careers in selling and a thorough study of salesmanship and sales management. Prerequisite: Marketing 331.

MARKETING 431 Marketing Research **Three credit hours**
The nature of marketing problems, problem definition, formulation of hypotheses, theories of measurement, experimental design, and survey techniques applied to marketing problems. Prerequisite: Marketing 334.

MARKETING 432 Managerial Marketing **Three credit hours**
An analysis of the nature and work of the marketing manager, who organizes, directs, and controls the various functional specialties of marketing. Prerequisite: Marketing 334.

MARKETING 435 International Marketing **Three credit hours**

A course designed to introduce students to the cultural, institution, political, and economic variables influencing the international marketing environment, the concept of international trade, and a framework for the development and implementation of a multinational marketing strategy. Prerequisite: Marketing 331.

MARKETING 461 A-B Cooperative Education Experience I **Six credit hours each**

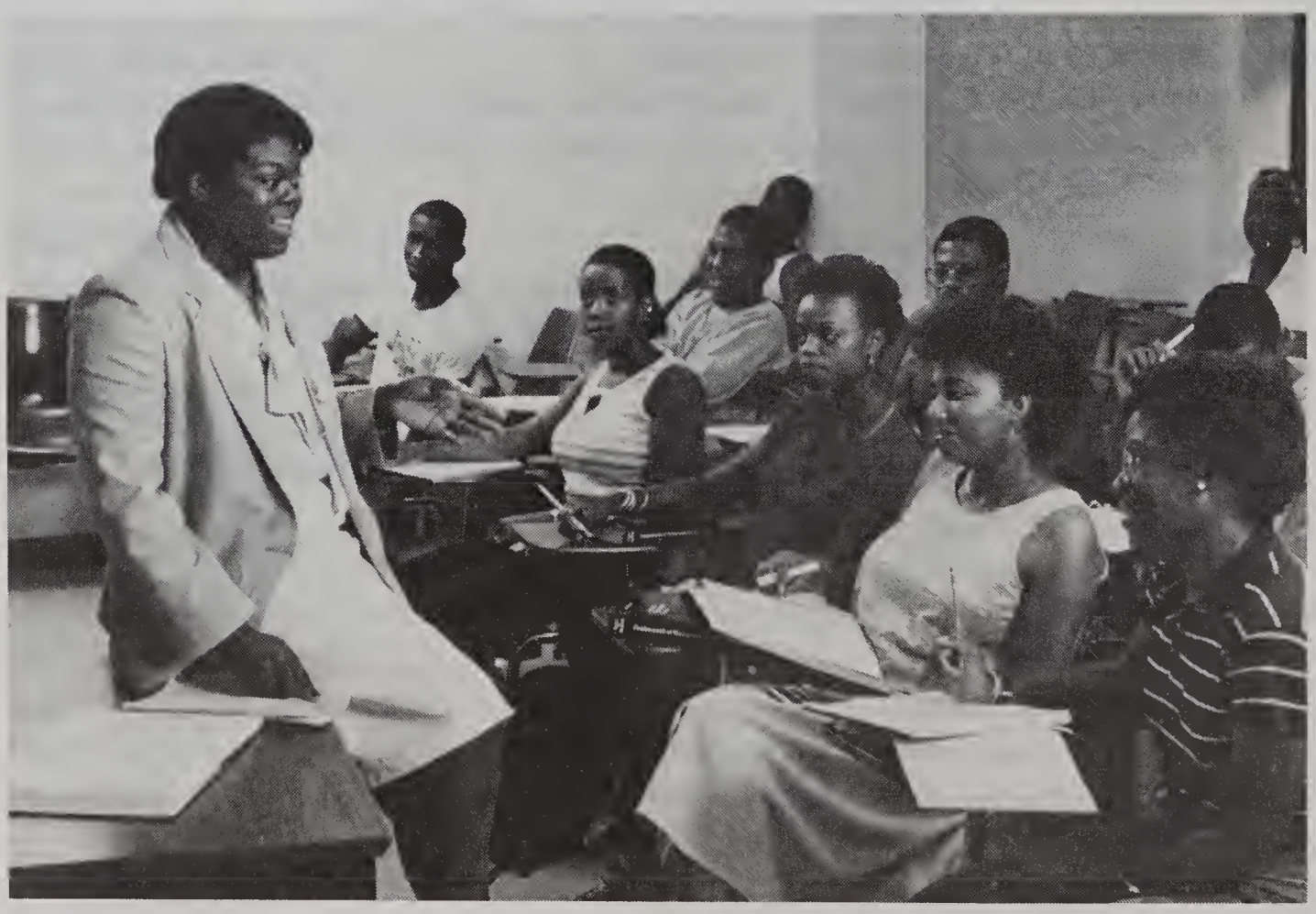
Full-time cooperative education experience related to Marketing. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

MARKETING 490 Internship **Three credit hours**

Internship related to Marketing. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the businesss world. Students must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

MARKETING 491 A-B Cooperative Education Experience II **Three credit hours**

Part-time cooperative education experience related to Marketing. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Marketing 461 A-B.



CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 132	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Education (Activity)	1
Physical Education (Activity)	1		
	18		16

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	3	Economics 232	3
	17		18

Junior Year

Economics 233	3	Economics 234	3
Management 335	3	Management 333	3
Marketing 331	3	Marketing 332	3
Biology 140	4	Physical Science 141	4
Elective (Controlled by Department)	3	Technical Minor	3
	16		16

Senior Year

Marketing 334	3	Marketing 431	3
Marketing 335	3	Management 435	3
Banking and Finance 330	3	Technical Minor or Elective	3
Technical Minor	3	Elective	3
	12		12

DEPARTMENT OF HISTORY, POLITICAL SCIENCE AND URBAN STUDIES/COMMUNITY AFFAIRS

HISTORY

A major in history prepares a student for a career in government, business, teaching, journalism, law, or for graduate study.

For a major in history the student is required to complete thirty credit hours of course work. For a minor the student is required to complete eighteen hours of course work. History 131, 132, 135, and 136 are required for all majors and minors. History 235 is required of all majors and is recommended for minors. Introductory courses in economics, political science, sociology, and urban studies must also be completed for the history major. Students may satisfy the language requirement by taking either six credit hours of French or six credit hours of Spanish.

HISTORY 131 World Civilization I **Three credit hours**
A study of the world's major civilizations from the Stone Age to 1500, the strengths and weaknesses of those societies, parallel developments, and cultural interaction.

HISTORY 132 World Civilization II **Three credit hours**
Primarily a study of the development of western European civilization since 1500 and its impact on the rest of the world.

HISTORY 135 History of the United States to 1865 **Three credit hours**
A study of the United States from its European background to 1865.

HISTORY 136 History of the United States Since 1865 **Three credit hours**
A study of the United States from the conclusion of the Civil War to the present.

HISTORY 231 North Carolina History **Three credit hours***
A study of the history of North Carolina from the colonial period to the present, with emphasis on economic, educational, and political developments. Offered upon demand.

*elective for history major; required for those desiring to be certified in history or social studies education.

HISTORY 235 Historiography **Three credit hours**
An introduction to the methods of historical research, the more prominent philosophies of history, and an investigation of the work of outstanding historians. Prerequisite: six hours of history. Required of all history and social science majors. Should be taken FALL SEMESTER of sophomore year.

HISTORY 237 Introduction to Africa **Three credit hours**
Social life, peoples, geography, economy, politics, religion, and arts of pre-modern Africa. Survey of African history and problems facing modern Africa. Offered in alternate years.

HISTORY 330 American Colonial Civilization **Three credit hours**
The study of an "underdeveloped area" and the economic, political, and religious life of the different colonies; the contributions of the various immigrants. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 331 Diplomatic History of the United States: 1776-1877 **Three credit hours**

A study of the foreign policy of the United States government. Emphasis upon wars, territorial expansion, and peculiarities of the American position in world politics. Prerequisite: History 135. Offered in alternate years. Recommended for political science majors and prelaw students.

HISTORY 332 Diplomatic History of the United States: The Twentieth Century **Three credit hours**

Emphasis on the most important crises and the formulation of the basic policy decisions from the Spanish-American War to the present. Prerequisite: History 136. Offered in alternate years. Recommended for political science majors and prelaw students.

HISTORY 334 The American Revolution and the Federal Period: 1776-1820 **Three credit hours**

The United States during the formative years of the early republic from the War of Independence to the so-called "era of good feeling." Considerable attention devoted to the creative personalities of the period. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 335 Sectionalism and Conflict: 1820-1865 **Three credit hours**

The American experience from the Missouri Compromise through the Civil War; Jacksonian democracy, territorial expansion, black slavery, and the rise of Southern nationalism. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 336 Emergence of Modern America: 1865-1900 **Three credit hours**

A study of the revolutionary changes in American life from the end of the Civil War to the close of the nineteenth century, the failure of Reconstruction, the origins of racial segregation, America's emergence as an industrial giant. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 337 West Africa **Three credit hours**

An examination of selected topics in West African history, including the Sudanic empires, the slave trade, the development of coastal states, European conquest and types of colonial rule, the struggle for independence, and challenges of development. Offered in alternate years.

HISTORY 338 Black History in the United States **Three credit hours**

A study of the contributions of blacks to American history and civilization, their efforts at racial adjustment, and their struggle for social justice. Prerequisites: History 135 and 136.

HISTORY 339 Early Modern Europe: 1350-1789 **Three credit hours**

A study of radical social change in Europe from the late Middle Ages to the eve of the French Revolution. Renaissance and Reformation; political absolutism and the Enlightenment. Prerequisites: History 131 and 132. Offered in alternate years.

HISTORY 430 Revolution and Romanticism: 1789-1914 **Three credit hours**

A study of Europe from the French Revolution to the outbreak of World War I. The rise of romantic nationalism, liberal democracy, industrialism, and imperialism. Prerequisites: History 131 and 132. Offered in alternate years.

HISTORY 431 Twentieth Century Europe **Three credit hours**

A study of World War I and its consequences; economic, social, and cultural change between the wars; the rise of totalitarian dictatorships and World War II; post-war reconstruction, the Cold War, and the current situation in Europe. Prerequisite: History 132. Offered in alternate years.

HISTORY 432 Southern Africa **Three credit hours**
An examination of selected topics in Central and Southern Africa, including migrations, pre-European culture, European expansion, concessionaire company and settler domination, racism, African liberation movements, and the status of present conflicts. Offered in alternate years.

HISTORY 433 The Old South **Three credit hours**
Political, economic, social, and cultural forces in the evolution of the period 1820-1860. Prerequisite: History 135. Offered in alternate years.

HISTORY 434 The New South **Three credit hours**
Southern history from the end of Reconstruction to the present. A consideration of contemporary regional problems. A study of the South both in relationship and contrast to national development. Prerequisite: History 136. Offered in alternate years. Recommended for students concentrating in urban studies.

HISTORY 435 From the Pharaohs to National Revolutions **Three credit hours**
An examination of selected topics in the history of North, North-East, and East Africa, including the beginnings of the human race, ancient civilizations of Egypt and Kush, trading civilizations of the Mediterranean and the Indian Ocean, Christian and Islamic influences, migrations, Ethiopian feudalism, European colonialism, and modern national revolutionary movements. Offered in alternate years.

HISTORY 436-437 Topics in History **Three credit hours each**
Various special topics which permit advanced work in different fields of historical study.

CURRICULUM FOR HISTORY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Music 131	3	Speech 131	3
Math 131	3	Math 132	3
History 131	3	History 132	3
Orientation 120	2		
	17		15

Sophomore Year

English 231	3	English 232	3
Biology 140	4	Physical Science 141	4
Philosophy 131 or Religion 130	3	Political Science 131	3
Physical Education (Activity)	1	Physical Education (Activity)	1
History 135	3	History 136	3
History 235	3	Sociology 131	3
	17		17

Junior Year

Art 231	3	History Elective	3
History Elective	3	History Elective	3
Economics 231	3	General Electives	6
Physical Education 121	2	Urban Studies 230	3
General Electives	6		
	17		15

Senior Year

History Elective	3	History Elective	3
General Electives	12	General Electives	12
	15		15

POLITICAL SCIENCE

The curriculum in Political Science is designed to prepare students for civic participation, graduate or professional study, private or public employment, and teaching. For a major in Political Science, the student is required to complete thirty-three (33) credit hours of course work. For a minor the student is required to complete eighteen (18) credit hours of course work. Political Science 131 and 230 are required of all majors and minors and are prerequisite to electing other courses in the political science curriculum. Political Science majors are also required to take the following Political Science courses: 333; 334; 330 or 432; 337 or 338, or 339; and 431. These courses are recommended for minors. Introductory courses in economics, history, sociology, and urban studies are also required for the major.

An introductory course in computer science, although not required, is highly recommended for students planning to do graduate work in political science. Students may satisfy the language requirement by taking six credit hours of French or six credit hours of Spanish.

POL. SCI. 131 American Government **Three credit hours**
A study of the development, structure, and operation of the American political system.

POL. SCI. 230 Introduction to Political Analysis **Three credit hours**
An introductory study and application of the concepts and methods necessary for an analysis of the political system. Open only to political science majors.

POL. SCI. 231 State and Local Politics **Three credit hours**
A study of politics and administration at the sub-national level. Emphasis on the social, economic, and legal setting of state and local governments in the American federal system. Topics include intergovernmental relations, fiscal problems, and services delivery.

POL. SCI. 330 Public Administration **Three credit hours**
A study of the formulation of public policy, organization and management, and problems of personnel and finance. Offered in alternate years.

POL. SCI. 331 Law and Politics **Three credit hours**
This course is an introduction to the American legal system, focusing on its political context and significance. It sketches the structure and functioning of the federal court system, and then explores the courts' impact both on individuals who seek to vindicate their rights through litigation, and on those who become involved with the criminal justice system. Special attention is devoted to the history and role of the legal profession in America.

POL. SCI. 332 Third World Politics **Three credit hours**
A study of the politics and problems of selected countries in Africa, Asia, and Latin America. Topics include social and economic development strategies of poor countries; South-South cooperation; North-South relations.

POL. SCI. 333 Comparative Political Systems **Three credit hours**
A comparative analysis of various political systems in the developed and developing countries. Emphasis on the parliamentary system (as modified) and the American Presidential system. Offered in alternate years.

POL. SCI. 334 International Relations **Three credit hours**
An analysis of the international political system, including the distribution of power among states in the international system, the manner in which states try to increase their capabilities, and the various mechanisms for conflict adjustment.

POL. SCI. 337 Classical Political Theory **Three credit hours**
A study of political thought from Greece to the seventeenth century, including basic writings from Plato to Hobbes.

POL. SCI. 338 Modern Political Theory **Three credit hours**
A study of political thought from the seventeenth century to the present, including writings from Locke to the Declaration of Human Rights proposed as the foundation of the United Nations.

POL. SCI. 339 Black Political Thought **Three credit hours**
A study of the development of black political thought in the U.S. The course is designed to critically examine and evaluate various themes, perspectives, and approaches in black political thinking and behavior as they emerged in the writings and activities of leading black figures and movements from the 19th century to present.

POL. SCI. 431 Materials and Methods **Three credit hours**
The study and application of basic research materials and methods in political science. Emphasis on formulation of the problem, research design, data collection, analysis, and interpretation of the data.

POL. SCI. 432 Seminar in American Politics **Three credit hours**
In-depth study of selected institutions and processes of American politics, such as Congress, the presidency, political parties and the electoral process.

POL. SCI. 433 International Organization **Three credit hours**
A study of the nature and role of international law and the operations of the United Nations and various regional and functional organizations. Prerequisite: Political Science 334.

POL. SCI. 434 Constitutional Law I **Three credit hours**
This course surveys the historical development of American constitutionalism from its beginnings until 1900. Emphasized are the framing of the Constitution and different approaches to its meaning; the origins and rationale of judicial review; evolving doctrines of judicial self-limitation; and early cases on race relations. Prerequisite: Junior standing or instructor's consent.

POL. SCI. 435 Constitutional Law II **Three credit hours**
This course surveys modern Supreme Court cases in four subject areas: racial discrimination; gender discrimination; freedom of speech; and presidential powers. Selected students will participate in a moot court exercise. Prerequisite: Constitutional Law I or instructor's consent.

POL. SCI. 436 Bureaucracy **Three credit hours**
A critical examination of the problems, structures and practices in large modern organizations with particular emphasis on the American bureaucracy using empirical case studies of both public and private organizations. Offered in alternate years.

POL. SCI. 437 Foreign Policy **Three credit hours**
A study of the foreign policy behavior of nation states, with a critical investigation into the formulation and implementation of foreign policy. Special emphasis on American foreign policy. Prerequisite: Pol. Sci. 334.

POL. SCI. 439 Internship **Three credit hours**
A supervised internship in a professional work environment designed to give students practical experience as well as knowledge and skills in a relevant professional field. Students are expected to complete a paper on their work activities and experience as one of the requirements for credit. Enrollment by permission of the instructor.

POL. SCI. 491 Special Topics in Political Science **Three credit hours**
Advanced reading, papers, and discussions on selected topics in political science. Topics are determined by the instructor. Enrollment by permission of the instructor (may be repeated for credit).

CURRICULUM FOR POLITICAL SCIENCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Music 131	3	Speech 131	3
Math 131	3	Math 132	3
History 131	3	History 132	3
Orientation 120	2		
	17		15

Sophomore Year

English 231	3	English 232	3
Biology 140	4	Physical Science 141	4
Philosophy 131 or Religion 130	3	Art 231	3
Political Science 131	3	Political Science 230	3
Physical Education (Activity)	1	Physical Education (Activity)	1
Economics 231	3	Sociology 131 or 133	3
	17		17

Junior Year

Political Science 337 (or Pol. Sci. 338)	3	Political Science 338 (or Pol. Sci. 337)	3
Political Science 334	3	Political Science Elective	3
General Electives	9	General Electives	6
Physical Education 121	2	Urban Studies 230	3
	17		15

Senior Year

Political Science Elective	3	Political Science 431	3
Political Science Elective	3	Political Science Elective	3
General Electives	9	General Electives	9
	15		15

PRE-LAW

No particular course of study (major) is a prerequisite for admission to law school. All lawyers need to be effective users of the English language. But what the pre-law student needs is a solid foundation in English and speech; he need not major in either of these disciplines unless he wishes to do so. Law schools are seeking young men and women with analytical minds who can think clearly and logically and then express themselves both orally and in writing.

While a majority of students going into law usually major in one of the social sciences (economics, history, political science, or sociology), other majors, such as English, psychology, or philosophy, provide a good background for legal study. Students majoring in one of the natural sciences could use law as one of their options for professional preparation.

The Association of American Law Schools advises the pre-law student to "major in the field in which he is most interested and do as well as he can in all his subjects."

Regardless of the major, the pre-law student should take the following core courses: English 234, Philosophy 233, Accounting 235, Computer Science 131-132, Political Science 336, and Speech 232 or 330. Other recommended courses are: History 135-136, History 237, History 339, Political Science 335, Sociology 232, and Sociology 330.

URBAN STUDIES/COMMUNITY AFFAIRS

A major in urban studies prepares individuals for entry-level administrative, planning, and programmatic positions in urban agencies—governmental and nongovernmental—or for graduate schools where individuals can be trained to become city administrators, planners, program directors, etc.

A major in urban studies and community affairs consists of thirty-three credit hours of course work including the internship program. UBR 230, 335, 338, 339, 435, 437, 438, and 460 are required of all majors. The requirement is a minimum grade of C in each major course. A minor in urban studies and community affairs consists of eighteen credit hours of work, including URB 230, 335, 338, and 435. Mathematics 136 is recommended for majors.

URB 230 The Urban Environment **Three credit hours**

A foundation for the multi-disciplinary analysis of urbanization. This is an introductory course which seeks to develop an awareness of the increasing interdependence of peoples and cultures; the relationship between man and environments, and the problems and opportunities presented by a rapidly changing, urbanizing society.

URB 231 Racism and Poverty in Urban America **Three credit hours**

Racism and poverty in Urban America—The purpose of this course is to examine some of America's major institutions and show the role they play in perpetuating racism and poverty. Institutions such as Educational, Criminal Justice, Welfare, Economics and others will be closely scrutinized.

URB 330 The Urban Ghetto: Its Development, Growth and Significance **Three credit hours**

This course will examine the origin, characteristics and significance of selected ghetto and slum areas in the United States. Attention will be focused on the impact of formal and informal social controls, institutions and social organizations, and the positive and negative functions of the ghetto environment upon ghetto inhabitants. Considerations will be given to pertinent inter-relationships between the ghetto and the larger urban environment.

URB 331 Community Relations **Three credit hours**

A critical analysis of Community and Neighborhood in modern urban America. Included in the course will be a study of community services and agencies and their role in directing the course of urban life. Community growth will be examined historically, politically and sociologically in order to determine the interaction required for neighborhood development and revitalization.

URB 332 Regional and Urban Development **Three credit hours**

A study of urban and regional problems including a detailed analysis of the nature of jurisdictions and the various approaches to the multijurisdictional metropolitan planning process. This course will include governmental, quasi-governmental and non-governmental jurisdictions.

URB 335 Urban Government and Politics **Three credit hours**

This course is designed to stress the location of local systems within our national system. It will provide an overview of urban governments and problems and trace the path of metropolitan development within the urban environment. Included in the course will be a study of the structures of local authority and such theoretical questions as who holds power in local communities and under what conditions. It further will look at local life from the perspective of individuals and groups and will outline the attitudes that are relevant for local life and for public policy. It will focus intently on local services and policy domains and will look at differing views about what the future of urban America will be.

URB 337 Urban Political Economy **Three credit hours**

Surveys the main factors in economic change in urban society and how political decisions interact with these economic factors. Views changes from the perspective of the main characteristics of the modern economy, employment, wages, and income, and the role of local, state and federal governments in economic development. Gives special attention to (1) distribution of wealth and income; (2) the trends in employment, unemployment and income distribution among racial minority groups.

URB 338 Strategies for Social Change in an Urban Society **Three credit hours**

Examines the issues and variables involved in developing fundamental change in Urban America. Beginning with urban social reform movements in the early 20th century, the course will examine the theories and strategies for social change that have been proposed and their relationship to issues of social class, wealth, ethnicity, race, and religion.

URB 339 Introduction to Urban Planning **Three credit hours**

This course is an introduction to the theory and practice of planning with an examination of the role of the modern planner. The role of planning in the development of the United States, the design land use, mass transportation, health system, highway and housing will be focal points. Discussion of the issues confronting planners such as urban renewal, small neighborhood plan, the politics of planning and social value will be studied. History of these vital areas as well as current theories. *Required for majors. Prerequisites: URB 335 or 337.

URB 430 Quantitative Analysis **Three credit hours**

An introduction to the principles of quantitative method of analysis with application to urban problems. Emphasis is placed on survey methodology; sampling techniques, mathematical and statistical analysis approaches to Urban Studies. Basic knowledge of probability theory will be explored. Students enrolling in this course are required to attend the Urban Studies Laboratory one hour per week. Emphasis will be placed on basic computer concepts and auxiliary equipment of the Urban Studies Laboratory will be available for student use. Prerequisite: Math 136.

URB 432 Advanced Urban Planning **Three credit hours**

An advanced course dealing with the administrative and legal basis of the profession. Emphasis on law and governmental regulations, budgetary restraints and public financing, taxation policies, building and housing codes, zoning, environmental issues and planning for government at the local state and regional level. Substantial emphasis will be given to the impact on federal programs and politics on local planning. The course includes an examination of the comprehensive planning process as it relates to future development.

URB 434 Urban Redevelopment and Revitalization **Three credit hours**

A study of the impact of various programs currently employed locally and nationally to learn of legislative and executive processes in meeting the problems faced by urban redevelopment and revitalization. Examines the impact also of ideology and interest groups on these processes. Included in the course will be an examination of new town developments in the United States and in other countries.

URB 435 Urban Policy Analysis **Three credit hours**

Introduces students to the process of urban policy and development through the use of social science methodologies. Provides students with techniques in social problem identification, data collection and analysis, policy development and social program design, implementation, monitoring and evaluation.

URB 437 Senior Project **Three credit hours**

This course will enable students to undertake individual research projects dealing with issues and problems relevant to the field of Urban Studies. Emphasis is placed on fundamental research techniques such as interviews, library resources, data collection and qualitative and quantitative methods in the solution of urban problems. Students writing a Senior Project are under the supervision of a faculty member (Advisor or Head of the Department). This course is a requirement of all students.

URB 438 Urban Senior Seminar **Three credit hours**

A senior seminar which gives students experience in conducting research on problems related directly to experiential education to interaction with community groups. This represents an opportunity to share findings among students, faculty and community representatives. The topics of the seminar will relate to specific experiential projects.

URB 439 Urban Senior Seminar **Three credit hours**

A seminar designed for students who have completed URB 438 or have equivalent experience. All students will be required to conduct research based on an experiential experience and share findings with appropriate groups. With consent of Instructor.

URB 460 Urban Studies Internship **Six credit hours**

A course designed to assist students in acquiring first-hand knowledge of governmental and private, non-profit agencies in the urban community. Each intern will work in the fields of administration, planning and/or program development.

URB 461 Advanced Urban Studies Internship **Six credit hours**

A course designed for students who have completed successfully URB 460 or have equivalent field experience. To assist students in acquiring advanced knowledge of governmental and private, non-profit agencies in the urban community. Each intern will work in the fields of administration, planning and/or program development, preferably in the agency selected for URB 460. With consent of Instructor.

CURRICULUM FOR URBAN STUDIES/ COMMUNITY AFFAIRS MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
History 131	3	French or Spanish 132	3
Speech 131	3	Music 131	3
French or Spanish 131	3	Math 132 or 136	3
Math 131	3	Physical Education 121	2
Orientation 120	2	History 132	3
	17		17

Sophomore Year

Political Science 131	3	English 232	3
English 231	3	Art 231	3
Religion 130 or Phil 131	3	Urban Studies Elective	3
Physical Education (Activity)	1	Sociology 131	3
Urban Studies 230	3	Physical Science 141	4
		Physical Education (Activity)	1
	13		17

Junior Year

Social Science (Elective)	3	Urban Studies 339	3
Urban Studies 338	3	Urban Studies 435	3
Urban Studies 335	3	Elective	3
Political Science 330		Economics 231	3
(Public Administration)	3		
Elective	3	Urban Studies (Elective)	3
Math 136	3		
	18		15

Senior Year

Urban Studies 438	3	Urban Studies 439	3
Electives	6	Urban Studies 437	3
Urban Studies 460	6	Electives	9
	15		15

URBAN STUDIES CONCENTRATION

For all Social Science Majors a minimum of 24 hours is required for a concentration.

URBAN STUDIES

230
*330 Sociology Majors Only
*331 Social Work Majors Only
*332 Political Science Majors Only
*335 Political Science Majors Only
*337 Economic & Banking and Finance Majors Only
338
*434 Sociology Majors Only
435
438 or 439
460 or 461

**Required*

CURRICULUM FOR SOCIOLOGY MAJORS WITH A CONCENTRATION IN URBAN STUDIES

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Sociology 131	3	French or Spanish 132	3
Speech 131	3	Music 131	3
French or Spanish 131	3	Math 132	3
Math 131	3	Physical Education 121	2
Orientation 120	2	Economics 231	3
	17		17

Sophomore Year

English 231	3	English 232	3
Political Science 131	3	Philosophy 131 or Religion 130	3
Biology 140	4	Urban Studies 335	3
Urban Studies 230	3	History 132	3
History 131	3	Physical Science 141	4
Physical Education (Activity)	1	Physical Education (Activity)	1
	17		17

Junior Year

Soc. 439 Social Theory	3	Soc. 438 Social Research	3
Urban Studies 338	3	Urban Studies 435	3
Soc. 332	3	Electives	9
Math 136	3		
Art 231	3		
	15		15

Senior Year

Urban Studies 438	3	Urban Studies 460	6
Soc. Elective	3	Electives	9
Electives	9		
	15		15

DEPARTMENT OF SOCIOLOGY AND SOCIAL WORK

The program of instruction in the Department of Sociology and Social Work is designed to enrich the general "liberal" education of students and to provide preprofessional and pregraduate training for those students who wish to seek careers in social work professionally, to qualify for service-delivering positions requiring no graduate professional education, to enter related professional fields for which there is no required professional sequence, and to enhance and to make more meaningful their participation as citizens.

A major in sociology consists of thirty credit hours of course work, including Sociology 438A, 438B, 439A, 439B. A grade of "C" or better is required in each course submitted for fulfillment of the major. A minor in sociology consists of eighteen credit hours of course work, including Sociology 131. Students may also elect to minor in Corrections and Criminal Justice by completing eighteen credit hours in that area.* Except Sociology 190 and by consent of the instructor, Sociology 131 is prerequisite to enrollment in other courses comprising the sociology curriculum.

SOCIOLOGY

SOCIOLOGY 190 Courtship and Marriage **Three credit hours - elective**

A sociological study of courtship and marriage in the United States. Designed to introduce freshmen students to critical thinking and empirical knowledge relative to affectional involvement. Students enrolled in this course may not satisfy general education requirements. Sociology majors may not use this course to fulfill departmental requirements.

SOCIOLOGY 130 Personal and Family Finance **Three credit hours**

An analysis of financial decisions and judgments which the average family must make during a lifetime. (Same as Management 231.)

SOCIOLOGY 131 Principles of Sociology **Three credit hours**

An introduction to the viewpoints, basic concepts, and methods of sociology.

SOCIOLOGY 133 Introduction to Cultural Anthropology **Three credit hours**

A survey of the various processes and conditions involved in cultural growth and change.

SOCIOLOGY 230 Intergroup Relations **Three credit hours**

An analysis of viewpoints, processes, and basic factors underlying problems of adjustment between divergent racial or cultural groups.

SOCIOLOGY 231 Medical Sociology **Three credit hours - elective**

This course will provide a sociological analysis of (1) the social processes affecting conditions of health and disease and (2) the cluster of social relationships and organizations that comprise the institution of medicine.

SOCIOLOGY 232 Introduction to Criminal Justice
As an elective **Three credit hours**
This course is designed to introduce the student to the criminal justice system in America. It will provide a comprehensive survey of current theories and practices in the criminal justice process. Included in the course will be a study of the principal functions and roles of four major components—legislative bodies, law enforcement agencies, courts and correctional institutions. It will highlight contemporary issues in each phase of the process.

SOCIOLOGY 233 Sociological Statistics **Three credit hours**
The application of inferential statistics to data in the social sciences. Emphasis on normal, chi-square, t, and F distributions, regression, and hypothesis testing. Prerequisite: Mathematics 136 or its equivalent. (Same as Psychology 233.) FALL SEMESTER.

SOCIOLOGY 234 Introduction to Gerontology **Three credit hours - elective**
The survey of biological, psychological and sociological perspectives and research relevant to the study of human aging.

***SOCIOLOGY 235 Correctional System I** **Three credit hours - elective**
Introductory in nature, focuses on the basic elements, historical development and trends within the prison system.

***SOCIOLOGY 236 Correctional System II** **Three credit hours - elective**
Analysis of contemporary prison system including changes in the field of corrections, community based rehabilitation programs and alternatives to incarceration.

***SOCIOLOGY 237 Juvenile Delinquency** **Three credit hours**
An analysis of the antisocial behavior of youth. Emphasis on causes, consequences, and efforts at prevention.

***SOCIOLOGY 238 Social Problems** **Three credit hours**
A sociological treatment of contemporary social problems. Offered alternate years. FALL SEMESTER.

***SOCIOLOGY 330 Sociology of Law** **Three credit hours**
The purpose of this course will be to analyze the role of law as an agency of social control, and its relationship to other social institutions. Special emphasis will be placed on the social junctions of courts, judges, and the legal profession. Law will be viewed as a reflection of sociocultural values.

SOCIOLOGY 331 The Family **Three credit hours**
An examination of the structures and functioning of the family as a social institution.

SOCIOLOGY 332 Urban Sociology **Three credit hours**
A study of the growth, the ecology, the social processes, the organization, and the problems of the urban community.

SOCIOLOGY 333 Social Stratification **Three credit hours - elective**
An examination of the ways in which societies differ in terms of their systems of internal differentiation.

SOCIOLOGY 335 The Sociology of Religion **Three credit hours**
A functional analysis of the interrelationships involving society, culture, and religion. The role of the church in the social order and social change. (Same as Religion 335.) SPRING SEMESTER.

(Formerly Collective Behavior)

(*Denotes Criminal Justice Sequence)

SOCIOLOGY 337 Sociology of the Black Community **Three credit hours**
An analysis of the structure and the functioning of the black community as a social system. Offered in alternate years. SPRING SEMESTER.

***SOCIOLOGY 338 Deviant Behavior** **Three credit hours**
Emphasis on individual behavior patterns in society. Examination of the social and psychological principles underlying sociopathic behavior.

***SOCIOLOGY 339 Criminology** **Three credit hours**
An examination of crime as a social phenomenon and the methods of prevention and control. Offered in alternate years.

SOCIOLOGY 431 Social Psychology **Three credit hours**
Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Psychology 431.)

SOCIOLOGY 436 Independent Study **Three credit hours**
An arranged program of independent study and research.

SOCIOLOGY 438A Social Research (I) **Three credit hours - elective**
An introduction to the techniques, and methods of scientific inquiry (part I). Prerequisite: nine credit hours of sociology or consent of instructor.

SOCIOLOGY 438B Social Research (II) **Three credit hours - elective**
An intensive study of research procedures, with special emphasis on data processing, measurement, and quantitative analysis. Prerequisite: Sociology 438 (Social Research I).

SOCIOLOGY 439A The Developments of Social Theory **Three credit hours**
An analysis of the emergence and development of sociological theory. Prerequisite: nine credit hours of sociology or consent of instructor.

SOCIOLOGY 439B Modern Theory and Theory Construction **Three credit hours - elective**
An analysis of contemporary theoretical perspectives. An introduction to theory construction.

SOCIOLOGY 490 Social Science Seminar **Three credit hours**
A course conducted by selected members of the division faculty. Designed to help the student to achieve a synthesis of social science knowledge. Open to juniors and seniors. Nonmajors: by permission of the instructional staff. Permits major students to receive credit in their area of concentration. (See Social Science 490.)

(*Denotes Criminal Justice Sequence)

CURRICULUM FOR SOCIOLOGY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
Speech 131	3	Music 131	3
French or Spanish 131	3	French or Spanish 132	3
Physical Education 121	2	Sociology 131	3
Orientation 120	2	Physical Education (Activity)	1
	16		16

Sophomore Year

English 231	3	English 232 or 235	3
French or Spanish 231	3	French or Spanish 232	3
Biology 140	4	Art 231	3
History 131	3	History 132	3
*Math 136	3	Physical Science 141	4
Physical Education (Activity)	1		
	17		16

Required for students entering 1977-1978 and thereafter.

Junior Year

Sociology 439	3	Sociology 438	3
Economics 131	3	Political Science 131	3
Rel. 130 or Phil. 131	3	Sociology —	3
Sociology —	3	Sociology —	3
Elective	3	Elective	3
	15		15

Senior Year

Sociology —	3	Sociology —	3
Sociology —	3	Sociology —	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		15

NOTE: All Sociology Majors are required to take the basic course in each of the following areas: economics, political science, sociology, urban studies and *two in history.*

SOCIAL WORK

A major in social work consists of thirty credit hours of course work, including Social Work 239, 334A, 334B, 432, 433, 434A, 434B, and 460. A minor in social work consists of eighteen credit hours of course work, including Social Work 239, 334A, 334B, 434A and 434B. All students electing a major or to minor in social work must take Sociology 131 before enrolling in any social work courses.

SOCIAL WORK 234 Social Rehabilitative Services **Three credit hours**
A comprehensive study of selected social services programs on the local, state, and national levels. Attention is given to both public and private agencies which deal with the physically and emotionally handicapped. FALL SEMESTER.

SOCIAL WORK 239 Introduction to the Field of Social Work **Three credit hours**
A survey course which includes a history of social work and a comparison of all the methods in social work. SPRING SEMESTER.

SOCIAL WORK 330 Social Policy **Three credit hours**
A study of the history, sociology, and economics of social services. Includes issues of choice and change. FALL SEMESTER.

SOCIAL WORK 331 Child Welfare: Policies and Practices **Three credit hours**
A course designed to offer social work students comprehensive up-to-date information on child and family welfare. FALL SEMESTER.

SOCIAL WORK 332 Social Planning **Three credit hours**
A course designed to clarify the major phases in the planning process in theory and practice. SPRING SEMESTER. (Prerequisite: Social Work 330.)

SOCIAL WORK 333 Social Workers in Clinical Settings **Three credit hours - elective**
A practical course, designed to introduce and develop in upper level class students an awareness and overview of the various social and psychothereapeutic services available to protect the general public.

SOCIAL WORK 334A Human Growth and Development in the Social Environment **Three credit hours**
A course which examines human behavior in the social environment from a normal perspective. Special emphasis on man's bio-psycho-social needs and the behavioral consequences when these needs are not met. FALL SEMESTER.

SOCIAL WORK 334B Human Growth and Development in the Social Environment **Three credit hours**
This course continues the study of behavior in the life cycle at the point where the first component ended during the Fall Semester. It concludes with specific focus on the bio-psycho-social needs of the aged members of our population. SPRING SEMESTER (Prerequisite: Social Work 334A.)

SOCIAL WORK 432 Social Welfare as a Social Institution **Three credit hours**
An assessment of the philosophy, development, behavior, current trends, and dynamics of social welfare as a cognate institution in the social system. FALL SEMESTER.

SOCIAL WORK 433 Seminar in Social Work **Three credit hours**
A course requiring students to interpret data from field experiences in light of previously established concepts of social work methods and practices. SPRING SEMESTER.

SOCIAL WORK 434A Social Work Methodologies **Three credit hours**
Examination of the process in social work practice with individuals, families, and groups. (Formerly Introduction to Casework.)

SOCIAL WORK 434B Social Work Methodologies **Three credit hours**
An in-depth study of the process involved in the interventive methods. Consideration given to the individual, the group, and the community. Prerequisite: Sociology 434A.

SOCIAL WORK 460 Field Experience **Six credit hours**

A course designed to assist students in acquiring first-hand knowledge of community agencies through active work experiences in preselected agency settings. SPRING SEMESTER.

CURRICULUM FOR SOCIAL WORK MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
Speech 131	3	Music 131	3
French or Spanish 131	3	French or Spanish 132	3
Physical Education 121	2	Sociology 131	3
Orientation 120	2	Physical Education (Activity)	1
	16		16

Sophomore Year

English 231	3	English 232 or 235	3
Rel. 130 or Phil. 131	3	Art 231	3
Biology 140	4	History 132	3
History 131	3	Physical Science 141	4
Social Work 239	3	Political Science 131	3
Physical Education (Activity)	1		
	17		16

Junior Year

*Sociology (Delinquency, Criminal Justice or other)	3	**Math 136	3
*Sociology 438	3	*Sociology 331	3
Social Work 334A	3	Sociology 332	3
Social Work 432	3	Sociology 439	3
Economics 131	3	Social Work 334B	3
	15		15

Senior Year

*Social Work 330	3	*Social Work 332	3
*Social Work 331	3	Social Work 433	3
Social Work 434A	3	Social Work 434B	3
*Psychology 131	3	Social Work 460	6
Elective	3		
	15		15

NOTE: All Social Work Majors are required to take the basic course in each of the following areas: economics, political science, sociology and history. Beginning in the fall of 1980, all students entering the University will be required to take two courses in history.

**Highly recommended elective.*

***Required for Social Work Majors.*

DIVISION III: EDUCATION AND PSYCHOLOGY

The Division of Education and Psychology includes the following departments: Education, Physical Education and Health, and Psychology.

DEPARTMENT OF EDUCATION

The Department of Education offers majors in early childhood and intermediate education leading to the Bachelor of Arts degree and teacher certification. The Bachelor of Arts degree with teacher certification at the secondary level may be earned in mathematics, music, physical education, health, and social studies. The department also provides courses in special education.

While teacher education at Johnson C. Smith University is viewed as an all-university wide function, the Department of Education assumes major responsibility for coordinating all programs. The Teacher Education Council, composed of representatives from the various academic disciplines and the Vice President for Academic Affairs, serves in an advisory capacity. All Teacher Education Programs have appropriate approval of the North Carolina State Department of Public Instruction.

REQUIREMENTS FOR ADMISSION TO THE PROGRAM OF TEACHER EDUCATION

A formal application to enter the program of teacher education must be filed with the head of the Department of Education at the beginning of the second semester of the sophomore year. Transfer students entering the University with junior classification must make application during the first semester in residence. Application forms may be secured from the Education Office.

To be admitted to teacher education, the student must meet the following requirements:

1. Completed sixty (60) semester hours with a cumulative grade point average of at least 2.20
2. Earned at least a grade of "C" in each General Education Course in the areas of *English, Mathematics, Science,* and *History (social studies)*
3. Earned a satisfactory score on Core Batteries I and II of the NTE
4. Declared a major and be recommended by the department of the major
5. Completed an interview at the satisfactory level
6. Received a health statement indicating good physical and mental health
7. Recommended by three former professors, one of whom must be in the department of the applicant's major field
8. Approved by the Teacher Education Committee

Students who plan to teach in the elementary school, grades K-4 or 4-6, should major either in early childhood or in intermediate education. Teacher certification at the secondary school level is available in the following subject areas: mathematics, music, health, health and physical education, and social studies. Students who plan to teach in the secondary school should select majors and minors from the above areas. It is highly recommended that students prepare to teach two subjects.

PROFESSIONAL REQUIREMENTS

Professional education courses at the upper level, three hundred (300) level courses and above, are specifically designed to assist prospective teachers in developing selected teaching competencies. These courses are therefore restricted to students who have been officially admitted to Teacher Education and are only available to other students on a limited basis, upon approval of the heads of the department of the major and the Education Department.

Early childhood and intermediate majors are required to take Psychology 235 and 239. Students at the secondary level and in special subject areas must take Psychology 237 and 239.

REQUIRED COURSES IN EDUCATION

Teacher certification at all levels requires the following education courses:

EDUCATION 230 Foundations of Education I-HC **Three credit hours**

A general overview of public education in the United States. It examines the historical background, purposes and concepts basic to understanding education in America. It also seeks to help students explore teacher education as a career option. (Formerly Education 232)

EDUCATION 231 Foundations of Education II-SP **Three credit hours**

An examination of the role of the school in society and societal forces that influence education. Includes the sociological and philosophical foundations of education. (Formerly Education 230)

Early Childhood Education: For Nursery School Teachers and Grades K-4

EDUCATION 232 Introduction to Early Childhood Education **Three credit hours**

This introductory course is designed to provide an overview of the field of Early Childhood Education. Emphasis will be given to the following areas:

1. Child Growth and Development—A study of varied theories of learning and development with direct implications for understanding the nature of the child, birth through eight years of life.
2. Schools and Programs for Young Children—An analysis of schools and programs for young children on the basis of the degree of structure, theoretical base, philosophy, goals and objectives, history and origin, and the role of the teacher.
3. Curriculum—Development of concepts and skills relating to the scope and importance of each content area of the curriculum for young children. An exploration of the methods, materials, and techniques appropiate for children in pre-school through third grade.

This course requires fifteen hours of observation and participation in programs for young children. (Formerly Education 231)

EDUCATION 334 Communication Skills and the Young Child **Three credit hours**

A study of ways in which the young child organizes and communicates ideas and feelings through designed learning experiences. A minimum of ten hours of observation and participation with children from infancy through age eight will provide the laboratory experiences accompanying this course.

EDUCATION 336 Science and the Young Child **Three credit hours**

An examination of scientific concepts and phenomena in ways which are consistent with the young child's way of seeing, inquiring, and experimenting with the natural environment. Emphasis on problem solving approaches to discovery.

EDUCATION 337 Reading in the Elementary School I **Three credit hours**

The first of two courses designed to prepare teachers to teach reading in the elementary school. Emphasis on prereading and early reading experiences which lead ultimately to skill in reading. Twenty hours of laboratory experience required. (Formerly Education 337I)

EDUCATION 338 Reading in the Elementary School II **Three credit hours**

The second of two courses designed to prepare teachers to teach reading in the elementary school. Emphasis is placed on increased knowledge of the reading process and effective use of methods, techniques and materials in reading instruction. (Education 337 is a prerequisite.) Twenty hours of laboratory experiences required. (Formerly Education 337II)

EDUCATION 398 Literature for the Young Child **Three credit hours**

Wide exploration and study of picture-story books, including Caldecott and Newberry awards, storytelling as an art, puppets for expression, use of films, filmstrips, and other media with a primary focus on uses within early education programs.

EDUCATION 431 Senior Seminar for Student Teachers in Early Childhood and Intermediate Education **Three credit hours**

This seminar is a forum for discussion and interpretation of student problems, concerns, and accomplishments. The course also provides the student with an opportunity to assess, acquire, and strengthen the understandings and competencies required of teachers in Early Childhood and Intermediate Education. This course is taught concurrently with Student Teaching (Ed. 490X, 491X).

EDUCATION 490X Student Teaching in Early Childhood Education **Nine credit hours**

Students are placed in cooperating schools in a kindergarten or primary classroom for one semester. Activities include directed observation, guided participation, and fulltime classroom teaching.

CURRICULUM FOR EARLY CHILDHOOD EDUCATION MAJORS

(Sequence of Required General Education, Professional and Specialty Courses)

CURRICULUM FOR EARLY CHILDHOOD EDUCATION (K-4)

(Effective Fall, 1984)

Freshman Year

First Semester	Credit Hours	Second Semester	Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
History 131	3	History 132	3
Physical Education 121	2	Biology 140	4
Physical Education (Activity)	1	Speech 131	3
Religion 130 or Phil 131	3		
Orientation 120	2		
	17		16

Sophomore Year

English 231	3	English 232	3
Sociology 131	3	Political Science 131	3
Music 131	3	Art 231	3
Physical Science 141	4	Education 231	3
Education 230	3	Education 232	3
Physical Education 115	1	Psychology 235	3
	17		18

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

French or Spanish 131	3	French or Spanish 132	3
Art 230	3	Education 338	3
Education 337	3	Education 398	3
Math 337	3	Education 334	3
Music 339	3	Psychology 239	3
Education 320	2	Education 336	3
Education 310	1		
	18		18

Apply for admission to student teaching during the seventh semester.

Senior Year

Education 391	3	Education 431	3
History 231	3	Education 490X	9
Health 334	3		
Education 233	3		
Physical Education 232	3		
Elective	3		
	18		12

A grade of "C" or better is required in each course submitted for fulfillment of the Early Childhood Education Major except general education courses in Foreign Language, Religion, Philosophy, and Physical Education. The student must have an overall average of 2.20.

Intermediate Education: For Teachers of Grades 4-6

EDUCATION 310 Junior Practicum in Early Childhood Education **One credit hour**
The practicum will provide Junior year students in Education an opportunity to strengthen their understanding of the primary school program and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with the Elementary School (Education 320).

EDUCATION 311 Junior Practicum in Intermediate Education **One credit hour**
The practicum will provide Junior year students in Education an opportunity to strengthen their understanding of the upper elementary school program and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with the Elementary School (Education 320).

EDUCATION 320 The Elementary School **Two credit hours**
Special attention to the philosophy, aims, principles, and practices of education as they relate to the elementary school. Required of all candidates for either the early childhood or the intermediate teacher's certificate. Prerequisite: Education 231. Education 320 was formerly Education 339.

EDUCATION 332 Children's Literature **Three credit hours**
Study of the types of literature available and suitable for primary and intermediate grades. Required only of elementary education majors.

EDUCATION 333 Teaching Science in the Elementary School **Three credit hours**
Emphasis on the principles, practices, and procedures of the teaching of science in the elementary school.

EDUCATION 337 Reading in the Elementary School I **Three credit hours**
(See description under Early Childhood Education.)

EDUCATION 338 Reading in the Elementary School II **Three credit hours**
(See description under Early Childhood Education.)

EDUCATION 390 Language Materials and Methods **Three credit hours**
Guidance of learning activities in the development of language. An analysis of ways of helping children to grow in reading, writing, speaking, and listening efficiency.

EDUCATION 391 Teaching the Social Studies in the Elementary School **Three credit hours**
A course designed to help elementary teachers to develop a social studies program. Includes methods, materials, and techniques which seem to be most effective in all of the elementary school grades.

EDUCATION 431 Senior Seminar for Early Childhood and Intermediate Majors **Three credit hours**
(See description under Early Childhood Education.)

EDUCATION 491X Student Teaching in the Elementary School **Nine credit hours**
A course requiring students to be placed in cooperating public elementary schools for the practical study of teachers' problems in a laboratory setting. Includes directed observation, guided participation, and full-time classroom teaching. Open only to seniors who are regularly enrolled in the University and who have completed all other course requirements.

CURRICULUM FOR INTERMEDIATE EDUCATION (4-6)

(Effective Fall, 1984)

Freshman Year

First Semester	Credit Hours	Second Semester	Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
History 131	3	History 132	3
Physical Education 121	2	Biology 140	4
Physical Education (Activity)	1	Speech 131	3
Religion 130 or Phil 131	3		
Orientation 120	2		
	17		16

Sophomore Year

English 231	3	English 232	3
Sociology 131	3	Political Science 131	3
Music 131	3	Art 231	3
Physical Science 141	4	Education 232	3
Education 230	3	Physical Education 232	3
Physical Education 115	1	Psychology 235	3
	17		18

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

French or Spanish 131	3	French or Spanish 132	3
Art 230	3	Music 339	3
Education 337	3	Education 338	3
Math 337	3	Education 332	3
Education 390	3	Education 333	3
Education 320	2	Psychology 239	3
Education 311	1		
	18		18

Apply for admission to student teaching during the seventh semester.

Senior Year

Education 391	3	Education 431	3
History 231	3	Education 491X	9
English Elective	3		
Health 334	3		
Education 233	3		
Math Elective	3		
	18		12

A grade of "C" or better is required in each course submitted for fulfillment of the Intermediate Education Major except general education courses in Foreign Language, Religion, Philosophy, and Physical Education. The student must have an overall average of 2.2.

Secondary Education: For Teachers of Grades 1-12

EDUCATION 312 Junior Practicum in Secondary Education **One credit hour**

The practicum will provide Junior year students in Education an opportunity to strengthen their understanding of the secondary school program and to acquire skills and experiences by working directly with students in the classroom. This course is taught concurrently with The Secondary School (Education 321).

EDUCATION 321 The Secondary School **Two credit hours**

A survey course concerned with the purposes, clientele, organization, administration, teaching methodology, and viable problems of the contemporary American secondary schools. Offers prestudent teaching observation experiences in a public school setting. Public school pupil register clinic: ancillary component of the course. Required of all secondary education majors. (Formerly Education 395)

EDUCATION 393 Reading in the Secondary School **Three credit hours**

A course designed to help students who are pursuing teaching careers to recognize and to deal with various reading problems encountered in the secondary school. Emphasis on reading skills that secondary pupils must master and the teaching techniques that the instructor may utilize to develop these skills.

EDUCATION 432 Seminar: Curriculum and Instructional Planning **Three credit hours**

A seminar on curriculum and instructional planning. Students work in areas and on problems of interest to them. Learning activities include wide use of instructional models, demonstrations, simulations and role playing. This course is taught concurrently with student teaching, Education 492X.

EDUCATION 492X Student Teaching in the Secondary School **Nine credit hours**

A course requiring students to be placed in cooperating public secondary schools for the study of teachers' problems in a laboratory setting. Includes directed observation, guided participation, and full-time classroom teaching. Open only to seniors who are regularly enrolled in the University and who have completed all other course requirements.

SEQUENCE OF REQUIRED PROFESSIONAL EDUCATION AND SUPPORTIVE COURSES FOR SECONDARY MAJORS

Freshman Year

First Semester	Credit Hours	Second Semester	Credit Hours
General Education and Electives	15	General Education and Electives	15
	15		15

Sophomore Year

General Education, Major, and Electives	15	General Education, Major, and Electives	15
Education 230	3	Education 231	3
	18		18

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

Major and Electives	12	Major and Electives	12
Education 321	2	Psychology 239	3
Education 312	1	*Education 393	3
Psychology 237	3		
	18		18

Apply for admission to Student Teaching during the sixth or seventh semester.

Senior Year

Major and Electives	15	**Education 432	3
Methods in the area of Specialization	2-3	**Education 492X	9
	17-18		12

Education 393 must be taken during the junior year. Any exception must be approved by the Head of the Education Department.

***The Student Teaching Semester will be the second semester of the senior year for most students. Students will be able to take only those courses listed, which constitute a full load.*

ELECTIVE COURSES IN EDUCATION

EDUCATION 235 Educational Communications Technology **Three credit hours**

A study of the utilization of educational technology and media in the classroom and in industry. Special emphasis on the actual operation of the 8mm and 16mm motion picture cameras, etc. Instruction relative to the construction of teaching aids, such as transparencies, laminations, photocopies, mimeograph and spirit duplicator stencils, graphic materials, etc. Strongly recommended for all students who are enrolled in teacher education. (Formerly Audio-visual Materials and Methods.)

EDUCATION 325 Family, School, and Community **Two credit hours**

This course is designed to help students develop skills in working with parents and to learn techniques of getting the community involved in school activities. Class projects will require student interaction with the community.

EDUCATION 331 Measurement and Evaluation **Three credit hours**

Examines the selection and use of tests and other assessment instruments in the classroom. Stress is placed on the construction and use of teacher-made tests.

EDUCATION 410, 420 Independent Study **One to three credit hours**

A planned and structured research project jointly defined by student and faculty. Number of credit hours contingent upon scope of work to be completed. May be taken for credit in early childhood, intermediate, or secondary education.

SPECIAL EDUCATION

Special education refers to the training given students who are exceptional in various ways: the learning disabled, the mentally retarded, the culturally different, the emotionally disturbed, the gifted, and the talented. This "special" education for mildly handicapped children will increasingly be provided in the regular classroom. Johnson C. Smith students who take elective courses in special education will be prepared to teach all children in the regular classroom.

EDUCATION 133 Introduction to Exceptional Children **Three credit hours**
A course concerned with the characteristics and problems of exceptional children, including the learning disabled, the mentally retarded, the emotionally disturbed, and the gifted and talented.

EDUCATION 264 Practicum in Critical Observation in Special Education **Six credit hours**
A sophomore practicum in critical observation for prospective teachers in which students spend five additional hours a week serving as a teacher's assistant and attend a weekly planned seminar.

EDUCATIONAL 296 Psychology of the Exceptional **Three credit hours**
An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Emphasis on applications to educational settings. (Same as Psychology 230.)

EDUCATION 399 Multidisciplinary Survey of Special Education **Three credit hours**
A study of cultural, social, intellectual, and educational problems and issues in special education. Includes behavior modification, counseling and guidance, civil rights, cultural differences, diagnosis and assessment, inquiry and research, and teacher attitudes.

EDUCATION 465 Individualizing Curriculum for Special Education **Six credit hours**
Interpretation, design, development, and implementation of curriculum used in special education. Involves student teaching under supervision.

EDUCATION 496 Multidisciplinary Transcategorical Seminar **Three credit hours**
A course concerned with transcategorical issues in special education: therapy, classroom management, counseling, evaluation, prescriptive teaching, and mainstreaming.

GEOGRAPHY COURSE

GEOGRAPHY 130 Introduction to Geography **Three credit hours**
A study of the basic cultural and physical elements of geography. Emphasis on climate, soils, natural vegetation, population distribution, and general land use.

PROFESSIONAL LABORATORY EXPERIENCES

Professional laboratory experiences constitute an essential part of the preparation of teachers. These experiences include all of student's direct school and community relationships which are designed to contribute to the understandings and competencies needed to perform and function as a classroom teacher. These experiences include a planned program of observation with varying degrees of participation as early as possible in the program. Examples of essential participatory activities are, observer, school service aide, instructional aide, tutor, monitor, and suitable roles in state and community service agencies.

Professional Laboratory Experiences prior to student teaching are categorized as pre-student teaching experiences. Students in Early Childhood and Intermediate Education are required to complete 80-100 non credit clock hours in pre-student teaching experiences. Forty-five non credit clock hours are required of Secondary Education Majors.

The Education Department operates the Mary Irwin Belk Early Childhood Center as a demonstration program for the care and education of young children between the ages of 2 and 5. The Center provides many and varied opportunities for students to observe young children and to learn about modern materials and teaching methods through practical experiences.

STUDENT TEACHING

All Teacher Education Majors are required to satisfactorily complete one full semester of student teaching. The student teaching semester occurs in the senior year and is devoted entirely to study in professional education and to student teaching. No student accepted for enrollment in student teaching is permitted to register for any courses other than those which accompany student teaching.

Students who wish to do student teaching during the senior year must file an application for student teaching with the Education Department at the beginning of the semester prior to the one in which student teaching is to begin. Application must be filed by January 20 for the FALL SEMESTER and by September 20 for the SPRING SEMESTER.

ADMISSION TO STUDENT TEACHING

The following requirements must be met prior to student teaching:

1. A cumulative grade point average of 2.20 or better
2. A grade of "C" or better in required courses in education, psychology, and those courses offered in fulfillment of the student's major
3. A grade of "C" or better in each course offered in fulfillment of general education requirements in English, social studies, mathematics and science
4. Demonstrated proficiency in oral and written communication
5. Completion of all course (education, general education, major) requirements for graduation except those education courses taught concurrently with student teaching
6. Approval of the Teacher Education Council, the Education Department and the department of the student's major
7. Official admittance into the Teacher Education Program at least one full semester prior to the semester in which student teaching is to occur and must maintain continuous membership in the program
8. Possession of a health certificate indicating good mental and physical health
9. Completion, at the satisfactory level, of the pre-student teaching required hours of professional laboratory experiences
10. Successfully completed Core Batteries I (Communication Skills) and II (General Education) of the National Teacher's Examination

Students will be notified by mail of the action taken on their application and of the semester in which they will do student teaching. It is expected that students will devote full time to student teaching.

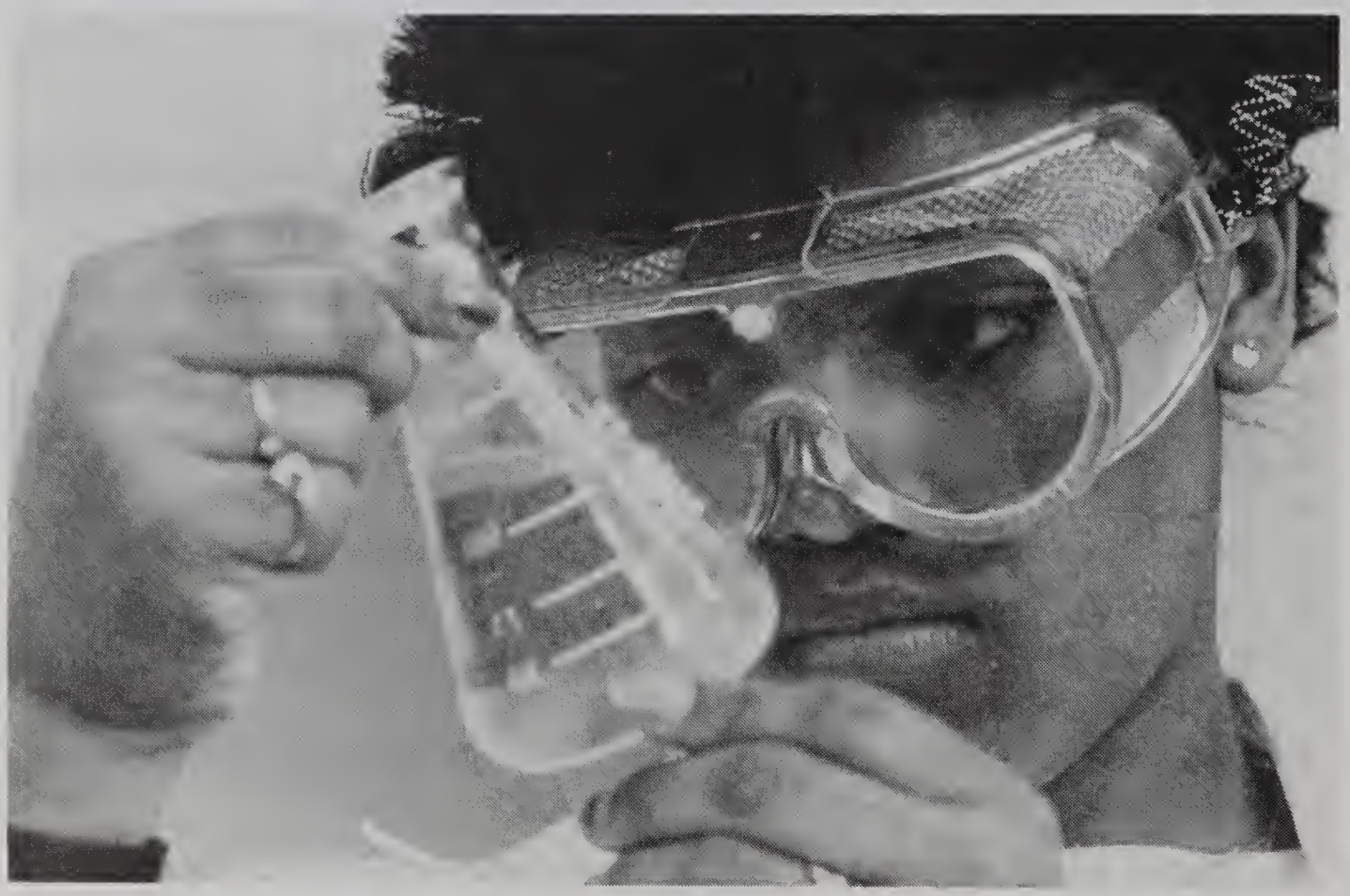
TEACHER CERTIFICATION

The University will recommend for initial certification only those students who have successfully completed the requirements of any of the teacher education programs offered by Johnson C. Smith University and who have met the minimum score requirements on the Professional and Teaching Area Tests of the National Teacher Examinations.

The requirements for teacher certification may be summarized as:

1. Completion of requirements for a degree
2. Completion of an approved teacher education program
3. Credit for successful student teaching in the area of specialization
4. Recommendation of the Education Department, the Teacher Education Council and the department of the major
5. Satisfactory scores on the National Teacher Examinations

Students interested in obtaining teacher certification in states other than North Carolina will need to plan their program to meet the specific requirements of the given state.



DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

A student majoring in the area of Health and Physical Education must complete one of the following options and semester hours:

Option A	Health Education	37
Option B	Physical Education	45
Option C	Health & Physical Education	64

Consult the listing on preceding pages for required courses in each of the three options.

Each student majoring in one of the three optional areas must complete Biology 140, Biology 146, and Biology 240. The Physical Education major must earn at least an overall average of "C" for the above biology courses; whereas, the Health Education major must earn at least a "C" in each of the above biology courses.

If a student is interested in pursuing the Aquatics track by passing Advanced Lifesaving and Water Safety Instruction, three additional hours are required for each of the options. For minor concentration in the areas of Health and Physical Education, the student should contact the department for guidance.

The following are requirements for students majoring in Health and Physical Education:

1. Membership in the Health and Physical Education club.
2. Purchase and wear the major uniform prescribed by the department and club (Physical Education majors only).
3. Hold active membership in the North Carolina Alliance for Health, Physical Education, Recreation and Dance. Membership is recommended (optional) for the American Alliance for Health, Physical Education, Recreation and Dance.

Students in other departments may satisfy health and activity general educational requirements by satisfactorily completing HE 121 and any two courses from PE 010 through PE 119, except 026-027 (not general education requirement electives). In addition, students from other departments must wear the prescribed uniform for activity courses.

Physical Education 119-I & II is an adaptive course offered only to students with temporary or permanent handicapping conditions. Enrollment in the course is contingent upon permission from a physician, and the inability of the student to participate in the regular activity courses.

PHYSICAL EDUCATION SERVICE PROGRAM OFFERINGS

PHYSICAL EDUCATION	010	Beginner Tennis	1
PHYSICAL EDUCATION	011	Beginner Golf	1
PHYSICAL EDUCATION	012	Beginner Volleyball	1
PHYSICAL EDUCATION	013	Beginner Soccer	1
PHYSICAL EDUCATION	110	Basic Swimming	1
PHYSICAL EDUCATION	111	Advanced Beginning Swimming	1
PHYSICAL EDUCATION	112	Intermediate Swimming	1
PHYSICAL EDUCATION	114	Recreational Games	1
PHYSICAL EDUCATION	115	Rhythm and Dance Activities	1
PHYSICAL EDUCATION	116	Team Sports	1
PHYSICAL EDUCATION	117	Physical Fitness	1
PHYSICAL EDUCATION	118	Self-testing Activities	1
PHYSICAL EDUCATION	119-I	Adapted Physical Education	1
PHYSICAL EDUCATION	119-II	Adapted Physical Education	1
PHYSICAL EDUCATION	120	Introduction to Recreation	2
PHYSICAL EDUCATION	227	Philosophy of Coaching	2
HEALTH EDUCATION	121	Personal Hygiene	2

PROFESSIONAL PHYSICAL EDUCATION OFFERINGS

PHYSICAL EDUCATION	026-027	Sports Officiating I & II	2
PHYSICAL EDUCATION	215	Advanced Lifesaving	1
PHYSICAL EDUCATION	224	Dual and Single Games	2
PHYSICAL EDUCATION	228	Water Safety Instructor	2
HEALTH & PHYSICAL EDUCATION	228	Introduction to Health, Physical Education and Recreation	2
PHYSICAL EDUCATION	229	Skills and Techniques	2
PHYSICAL EDUCATION	232	Physical Education in the Elementary School	3
PHYSICAL EDUCATION	323	Methods and Materials in Teaching Team Sports	2
PHYSICAL EDUCATION	325	Gymnastics and Stunts	2
HEALTH & PHYSICAL EDUCATION	326	Contemporary Trends, Issues, and Research	2
PHYSICAL EDUCATION	329	Rhythm and Dance	2
PHYSICAL EDUCATION	330	Athletic Injuries and Safety	3
HEALTH & PHYSICAL EDUCATION	331	Organization and Administration of Health and Physical Education	3
PHYSICAL EDUCATION	333	Anatomy and Kinesiology	3
PHYSICAL EDUCATION	336	Principles of Physical Education	3
PHYSICAL EDUCATION	337	Special Physical Education	3
PHYSICAL EDUCATION	422	Methods and Materials in Teaching Physical Education	2
HEALTH & PHYSICAL EDUCATION	433	Major Practicum	3

PROFESSIONAL HEALTH OFFERINGS

HEALTH EDUCATION	226	Community Health	2
HEALTH & PHYSICAL EDUCATION	228	Introduction to Health, Physical Education and Recreation	2
HEALTH EDUCATION	230	Healthful Living	3
HEALTH EDUCATION	231	Human Sexuality	3
HEALTH EDUCATION	232	Drugs, Alcohol and Tobacco Abuse	3
HEALTH EDUCATION	235	Health and Nutrition	3
HEALTH EDUCATION	320	First Aid: Emergency Care	2
HEALTH EDUCATION	321	Cardiopulmonary Resuscitation	2
HEALTH & PHYSICAL EDUCATION	326	Contemporary Trends, Issues and Research	2
HEALTH & PHYSICAL EDUCATION	331	Organization and Administration of Health and Physical Education	3
HEALTH EDUCATION	334	Principles, Procedures and Practices in Health Education	3
HEALTH EDUCATION	335	School Health Problems	3
HEALTH & PHYSICAL EDUCATION	433	Major Practicum	3
HEALTH EDUCATION	434	Methods and Materials in Teaching Health Education	3

SCIENCE COURSES REQUIRED FOR ALL MAJORS IN HEALTH, PHYSICAL EDUCATION

BIOLOGY	140	Introductory Biology	4
BIOLOGY	146	Molecular Biology	4
BIOLOGY	240	Human Anatomy and Physiology	4

GENERAL EDUCATION REQUIREMENTS

ORIENTATION			2
ENGLISH COMPOSITION & LITERATURE			12
FOREIGN LANGUAGE			6
THE HUMANITIES & FINE ARTS			12
THE SOCIAL SCIENCES			12
THE NATURAL SCIENCES & MATHEMATICS			14
*PHYSICAL EDUCATION	228	Introduction to HPE	2
	229	Skills & Techniques	2
*HEALTH EDUCATION	230	Healthful Living	2

**Will satisfy general education activity and health requirements for majors in Physical Education and Health Education.*

PHYSICAL EDUCATION SERVICE PROGRAM

PHYSICAL EDUCATION 010 Beginner Tennis **One credit hour**
This is an activity course designed to teach basic tennis knowledge and skills including: forehand, backhand, serve, singles and doubles play.

PHYSICAL EDUCATION 011 Beginner Golf **One credit hour**
This is an activity designed to teach basic golf knowledge and skills preliminary to course play.

PHYSICAL EDUCATION 012 Beginner Volleyball **One credit hour**
This is an activity course designed to teach fundamental terms, rules, skills and strategies of volleyball.

PHYSICAL EDUCATION 013 Beginner Soccer **One credit hour**
This course is designed to teach fundamental knowledge, strategy, and skills of soccer such as: kicking, trapping, volleying, heading, tackling, etc.

PHYSICAL EDUCATION 110 Basic Swimming **One credit hour**
This is a swimming course structured to train students up to advanced beginner level.

PHYSICAL EDUCATION 111 Advanced Beginners Swimming **One credit hour**
A swimming course designed to train students with basic swimming skills. Prerequisite: Pass PE 110.

PHYSICAL EDUCATION 112 Intermediate Swimming **One credit hour**
This course provides the student with the opportunity to develop a high level of proficiency in the American crawl, back crawl, elementary backstroke, etc. Prerequisite: Pass PE 111.

PHYSICAL EDUCATION 114 Recreational Games **One credit hour**
A course in bowling, shuffleboard, handball, badminton, tennis, paddle tennis, golf, and archery. Activities based upon semester.

PHYSICAL EDUCATION 115 Rhythm and Dance Activities **One credit hour**
This is a course consisting of a variety of rhythm and dance activities: folk, square, social, etc.

PHYSICAL EDUCATION 116 Team Sports **One credit hour**
A course in team sports: field hockey, basketball, volleyball, flag football, soccer. Activities offered based upon semester.

PHYSICAL EDUCATION 117 Physical Fitness **One credit hour**
This is a course in physical fitness: exercises, weight training, aerobics and combination acts.

PHYSICAL EDUCATION 118 Self-testing Activities **One credit hour**
This course assesses physical fitness components and teaches elementary gymnastic skills.

PHYSICAL EDUCATION 119-I & 119-II Adapted Physical Education **One credit hour**
A course in conditioning and sport activities designed for those with temporary or permanent physical disabilities which prevent participation in regular activity classes. A student must have permission from a physician before participating in the course.

PHYSICAL EDUCATION 120 Introduction to Recreation **Two credit hours**
An elective course designed to acquaint students with contemporary trends in recreation, administration, supervision, facilities, and other areas of public and private recreation. Additionally, a general historical background is included.

HEALTH EDUCATION 121 Personal Hygiene **Two credit hours**
A lecture course discussing topics such as preventive health care and nutrition, coping in today's society, decision making, diseases, drugs, love and the human life cycle, etc. This course satisfies the general education requirement for non-majors.

PROFESSIONAL PHYSICAL EDUCATION PROGRAM

PHYSICAL EDUCATION 026 Sports Officiating I **Two credit hours**
A course providing the student with the knowledge, skills, and mechanics essential to athletic sports officiating in football, basketball, and volleyball.

PHYSICAL EDUCATION 027 Sports Officiating II **Two credit hours**
Same description as 026, except the officiating sports include: swimming, baseball/softball, tennis, track and field.

PHYSICAL EDUCATION 215 Advanced Lifesaving **One credit hour**
A swimming course designed to provide the student with lifesaving skills and knowledge required for American Red Cross certification.

PHYSICAL EDUCATION 224 Dual and Single Games **Two credit hours**
A course providing teaching methods for individual and partner activities such as racquetball, tennis, archery, badminton, bowling, golf, etc.

PHYSICAL EDUCATION 228 Water Safety Instructor **Two credit hours**
This course provides the student with the knowledge and skills essential for teaching Beginner and Advanced Beginner Swimming. Also, the student would be certified to teach Basic Water Safety and Rescue. Prerequisites: pass PE 111 and PE 215.

HEALTH AND PHYSICAL EDUCATION 228 **Two credit hours**
Introduction to Health, Physical Education and Recreation. This is the first course for students majoring in health and physical education. It is designed to provide: an overview of the field; information concerning career opportunities and professional growth; and practical experience in an area of interest with a minimum of ten (10) clock hours of observation at an outside agency or organization.

PHYSICAL EDUCATION 229 Skills and Techniques **Two credit hours**
This course provides opportunities for the professional student to develop competencies in performing physical education skills from HPE 228. Prerequisite: Pass HPE 228.

PHYSICAL EDUCATION 232 Physical Education in the Elementary Schools **Two credit hours**
A course designed to provide students with knowledge and practical experience that will enhance their effectiveness in teaching physical education to elementary school children. A laboratory experience is required.

PHYSICAL EDUCATION 323 Methods and Materials in Teaching Team Sports **Two credit hours**
This course prepares the student with competencies in the utilization of materials, methods and techniques for teaching team type activities.

PHYSICAL EDUCATION 325 Gymnastics and Stunts **Two credit hours**
The techniques of teaching and learning the fundamentals of gymnastics and stunts are emphasized in this course. The fundamentals of skills on: mats (tumbling and floor exercises), the balance beam, parallel bars, the horse, and other skills taught on apparatus.

HEALTH AND PHYSICAL EDUCATION 326 Contemporary Trends, Issues and Research Two credit hours

The purpose of this course is to expose professional students to significant issues, methodology, and research in the field of health and physical education, and to investigate an area of major interest. The student will be assigned an advisor to monitor the research, and the student will submit a paper based upon this research.

PHYSICAL EDUCATION 329 Rhythm and Dance Two credit hours

This course presents the fundamental skills, and the methods and techniques of teaching rhythm and dance activities.

PHYSICAL EDUCATION 330 Athletic Injuries and Safety Three credit hours

This course teaches care, prevention, and treatment of athletic injuries and safety in sports.

HEALTH AND PHYSICAL EDUCATION 331 Organization and Administration of Health, Physical Education Three credit hours

This course provides the student with compentencies essential to organizing and administering Health and Physical Education programs.

PHYSICAL EDUCATION 333 Anatomy and Kinesiology Three credit hours

This course reinforces student knowledge of anatomy, and it provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included.

PHYSICAL EDUCATION 336 Principles of Physical Education Three credit hours

A lecture course dealing with the underlying principles and meaning of physical education. Prerequisite: HPE 228.

PHYSICAL EDUCATION 337 Special Physical Education Three credit hours

This course is designed to provide the student with the philosophy, the knowledge, and methods of teaching physical education to the exceptional or handicapped individual. Practical experience (required lab) is included to implement classroom instruction.

PHYSICAL EDUCATION 422 Methods and Materials in Teaching Physical Education Two credit hours

A study of and the effective use of methods and materials (media and the computer) for teaching physical education in the public schools.

HEALTH AND PHYSICAL EDUCATION 433 Major Practicum Three credit hours

This is primarily a laboratory course in which student majors actually practice the utilization of methods, techniques, and the use of materials under the direct supervision of a faculty member. The practicum generally takes place at a local agency rather than a public school setting.

PROFESSIONAL HEALTH EDUCATION PROGRAM

HEALTH EDUCATION 226 Community Health Two credit hours

A study of the health aspects of the community such as sanitation, pollution, disease, etc. and their implications on society.

HEALTH AND PHYSICAL EDUCATION 228 Introduction to Health, Physical Education and Recreation Two credit hours

Refer to description under PROFESSIONAL PHYSICAL EDUCATION PROGRAM.

HEALTH EDUCATION 230 Healthful Living **Three credit hours**
This course provides the student with the knowledge and techniques of health as it affects personal, professional, and family living. Health careers are also an aspect of this course. Satisfies general health requirements for Health Education majors only.

HEALTH EDUCATION 231 Human Sexuality **Three credit hours**
This course deals with the concepts concerning sexuality and its implications for self, school, and society.

HEALTH EDUCATION 232 Drugs, Alcohol and Tobacco Abuse Three credit hours
This course is concerned with the effects of the use and the abuse of drugs, alcohol, and tobacco on the individual and society.

HEALTH EDUCATION 235 Health and Nutrition **Three credit hours**
This course deals with nutritional needs of the human body and its implications for healthful living.

HEALTH EDUCATION 320 First Aid: Emergency Care **Two credit hours**
This course is designed to aid the student in developing the knowledge and competencies essential to emergency care through the use of Red Cross first aid skills and techniques. Successful completion of this course carries Red Cross certification as a First Aid Instructor.

HEALTH EDUCATION 321 Cardiopulmonary Resuscitation: Emergency **Three credit hours**
This course provides the student with the knowledge and skills essential to emergency care of respiratory failure, cardiac arrest, and choking of infants and adults. Successful completion of this course carries Red Cross certification as a CPR instructor.

HEALTH AND PHYSICAL EDUCATION 326 **Two credit hours**
Contemporary Trends, Issues, and Research. Refer to description under PROFESSIONAL PHYSICAL EDUCATION PROGRAM.

HEALTH AND PHYSICAL EDUCATION 331 **Three credit hours**
Organization and Administration of Health, Physical Education. Refer to description under PROFESSIONAL PHYSICAL EDUCATION PROGRAM.

HEALTH EDUCATION 334 Principles, Procedures and Practices in Health **Three credit hours**
The study of health education principles, procedures, and practices to improve health learning and teaching in the school and public setting.

HEALTH EDUCATION 335 School Health Problems **Three credit hours**
A study of the school health program, its values, and its problems in developing health education in the secondary school.

HEALTH AND PHYSICAL EDUCATION 433 Major Practicum **Three credit hours**
Refer to description under PROFESSIONAL PHYSICAL EDUCATION PROGRAM.

HEALTH EDUCATION 434 Methods and Materials in Teaching Health Education **Three credit hours**
A course designed to provide the student with the opportunity to develop knowledge and competencies in the use of effective methods of teaching health education and the effective use of resources. This course includes an observation period, the use of A-V material and equipment, and exposure to the computer.

OPTION A HEALTH EDUCATION REQUIREMENTS FOR CERTIFICATION: 37 HOURS

HEALTH EDUCATION	226	Community Health	2
HEALTH & PHYSICAL EDUCATION	228	Introduction to Health, Physical Education and Recreation	2
HEALTH EDUCATION	230	Healthful Living	3
HEALTH EDUCATION	231	Human Sexuality	3
HEALTH EDUCATION	232	Drugs, Alcohol and Tobacco Abuse	3
HEALTH EDUCATION	235	Health and Nutrition	3
HEALTH EDUCATION	320	First Aid: Emergency Care	2
HEALTH EDUCATION	321	Cardiopulmonary Resuscitation	2
HEALTH & PHYSICAL EDUCATION	326	Contemporary Trends, Issues, and Research	2
HEALTH & PHYSICAL EDUCATION	331	Organization and Administration of Health and Physical Education	3
HEALTH EDUCATION	334	Principles, Procedures, and Practices in Health Education	3
HEALTH EDUCATION	335	School Health Problems	3
HEALTH & PHYSICAL EDUCATION	433	Major Practicum	3
HEALTH EDUCATION	434	Methods and Materials of Teaching Health Education	3

OPTION B PHYSICAL EDUCATION REQUIREMENTS FOR CERTIFICATION: 45 HOURS

PHYSICAL EDUCATION	224	Dual and Single Games	2
HEALTH EDUCATION	226	Community Health	2
HEALTH & PHYSICAL EDUCATION	228	Introduction to Health, Physical Education and Recreation	2
PHYSICAL EDUCATION	229	Skills and Techniques	2
PHYSICAL EDUCATION	232	Physical Education in the Elementary School	3
PHYSICAL EDUCATION	323	Methods and Materials in Teaching Team Sports	2
PHYSICAL EDUCATION	325	Gymnastics and Stunts	2
HEALTH & PHYSICAL EDUCATION	326	Contemporary Trends, Issues, and Research	2
PHYSICAL EDUCATION	329	Rhythm and Dance	2
PHYSICAL EDUCATION	330	Athletic Injuries and Safety	3
HEALTH & PHYSICAL EDUCATION	331	Organization and Administration of Health & Physical Education	3
PHYSICAL EDUCATION	333	Anatomy and Kinesiology	3
HEALTH EDUCATION	335	School Health Problems	3
PHYSICAL EDUCATION	336	Principles of Physical Education	3
PHYSICAL EDUCATION	337	Special Physical Education	3
PHYSICAL EDUCATION	422	Methods and Materials in Teaching Physical Education	2
HEALTH & PHYSICAL EDUCATION	433	Major Practicum	3
HEALTH EDUCATION	434	Methods and Materials in Teaching Health Education	3

OPTION C HEALTH AND PHYSICAL EDUCATION REQUIREMENTS FOR CERTIFICATION: 64 HOURS

HEALTH EDUCATION	226	Community Health	2
HEALTH & PHYSICAL EDUCATION	228	Introduction to Health, Physical Education and Recreation	2
HEALTH EDUCATION	230	Healthful Living	3
HEALTH EDUCATION	231	Human Sexuality	3
HEALTH EDUCATION	232	Drugs, Alcohol and Tobacco	3
HEALTH EDUCATION	235	Health and Nutrition	3
HEALTH EDUCATION	320	First Aid: Emergency Care	2
HEALTH EDUCATION	321	Cardiopulmonary Resuscitation	2
HEALTH & PHYSICAL EDUCATION	326	Contemporary Trends, Issues, and Research	2
HEALTH & PHYSICAL EDUCATION	331	Organization and Administration of Health and Physical Education	3
HEALTH EDUCATION	334	Principles, Procedures, and Practices in Health Education	3
HEALTH EDUCATION	335	School Health Problems	3
HEALTH & PHYSICAL EDUCATION	433	Major Practicum	3
HEALTH EDUCATION	434	Methods and Materials of Teaching Health Education	3
PHYSICAL EDUCATION	224	Dual and Single Games	2
PHYSICAL EDUCATION	229	Skills and Techniques	2
PHYSICAL EDUCATION	232	Physical Education in the Elementary School	3
PHYSICAL EDUCATION	323	Methods and Materials in Teaching Team Sports	2
PHYSICAL EDUCATION	325	Gymnastics and Stunts	2
PHYSICAL EDUCATION	329	Rhythm and Dance	2
PHYSICAL EDUCATION	330	Athletic Injuries and Safety	3
PHYSICAL EDUCATION	333	Anatomy and Kinesiology	3
PHYSICAL EDUCATION	336	Principles of Physical Education	3
PHYSICAL EDUCATION	337	Special Physical Education	3
PHYSICAL EDUCATION	422	Materials and Methods in Teaching Physical Education	2

CURRICULUM FOR HEALTH EDUCATION TEACHER EDUCATION MAJOR

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Philosophy 131 or Religion 130	3	Speech 131	3
Social Science 131	3	Psychology 131	3
Math 131	3	Math 132	3
Phy. Science 141	4	HPE 228	2
Orientation 120	2	H.E. 230	3
		P.E. 010-119	1
	18		18

Sophomore Year

English 231	3	English 232	3
Music 131	3	H.E. 320	2
French/Spanish 131	3	French/Spanish 132	3
Biology 140	4	Biology 146	4
Education 230	3	Education 231	3
P.E. 010-119	1	H.E. 226	2
	17		17

Junior Year

History 131	3	History 132	3
Biology 240	4	Education 393	3
Education 321	2	Psychology 237	3
Education 312	1	H.E. 232	3
Psychology 239	3	H.P.E. 326	2
H.E. 321	2	H.E. 334	3
HPE 331	3		
	18		17

Senior Year

Art 231	3	Education 432	3
H.E. 335	3	Education 492	9
H.E. 231	3		
H.E. 235	3		
HPE 433	3		
H.E. 434	3		
	18		12

Placement

Health Education majors satisfy the semester hours in the health education course of the general requirements by taking HPE 228 (Introduction to Health, Physical Education, and Recreation), and HE 230 (Healthful Living). This only applies to those who have declared a major in Health Education, and maintain their status in the department until graduation.

CURRICULUM FOR PHYSICAL EDUCATION TEACHER EDUCATION MAJOR

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Philosophy 131 or Religion 130	3	Speech 131	3
Social Science 131	3	Psychology 131	3
Math 131	3	Math 132	3
Phy. Science 141	4	H.E. 121	2
Orientation 120	2	P.E. 224	2
		HPE 228	2
	18		18

Sophomore Year

English 231	3	English 232	3
Music 131	3	Art 231	3
French/Spanish 131	3	French/Spanish 132	3
Biology 140	4	Biology 146	4
Education 230	3	Education 231	3
P.E. 229	2	H.E. 236	2
	18		18

Junior Year

Education 321 & 312	3	History 132	3
Psychology 239	3	Psychology 237	3
History 131	3	P.E. 232	3
P.E. 323	2	P.E. 330	3
P.E. 325	3	P.E. 336	3
Biology 240	4	H.E. 434	3
	18		18

Senior Year

P.E. 329	2	Education 393	3
HPE 331	3	HPE 326	2
P.E. 333	3	P.E. 422	2
H.E. 335	3	Electives	5
P.E. 337	3		
HPE 433	3		
	17		12

Student Teaching

Education 432	3
Education 492	9
	12

Placement

A student majoring in Physical Education may satisfy the semester hours for activity by completing HPE 228 (Introduction to HPER) and PE 229 (Skills and Techniques). This only applies to those who have declared a major in Physical Education, and maintain their status in the department until graduation.

The PE 010 to PE 119 courses are electives for Physical Education majors as well as the general student body.

CURRICULUM FOR HEALTH AND PHYSICAL EDUCATION TEACHER EDUCATION MAJOR

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Philosophy 131 or Religion 130	3	Speech 131	3
Social Science 131	3	Psychology 131	3
Math 131	3	Math 132	3
Phy. Science 141	4	P.E. 224	2
Orientation 120	2	H.E. 226	2
		HPE 228	2
	18		18

Sophomore Year

English 231	3	English 232	3
Music 131	3	French or Spanish 132	3
French or Spanish 131	3	Biology 146	4
Biology 140	4	Education 231	3
Education 230	3	H.E. 230	3
P.E. 229	2	H.E. 320	2
	18		18

Junior Year

Biology 240	4	History 131	3
Psychology 239	3	Psychology 237	3
Education 321 & 312	3	P.E. 232	3
H.E. 321	2	H.E. 232	3
P.E. 323	2	P.E. 330	3
P.E. 325	2	H.E. 334	3
P.E. 329	2		
	18		18

Senior Year

H.E. 231	3	History 132	3
H.E. 235	3	Education 393	3
HPE 331	3	HPE 326	2
P.E. 333	3	P.E. 336	3
H.E. 335	3	P.E. 422	2
P.E. 337	3	HPE 433	3
		H.E. 434	3
	18		19

Student Teaching

Education 432	3
Education 492	9
	12

DEPARTMENT OF PSYCHOLOGY

Consistent with the spirit of the University's statement of purpose, the Psychology Department seeks to provide students with those conditions which are most likely to foster each individual's overall growth and development. Emphasis is placed not only on the mastery of subject matter, but perhaps more important, on the mastery of the skills involved in learning *how to learn* with particular focus on the scientific method.

In addition, a conscientious effort is made to assist each student achieve greater self-awareness and to become more accepting of herself/himself. An accurate assessment of individual strengths and weaknesses is encouraged, so that this information can be utilized in seeking self-improvement activities and in career development planning.

More specifically, the department's curriculum is designed to:

a. prepare students anticipating immediate entrance into the job market upon graduation, with marketable skills;
b. equip majors and minors with a solid general background in Psychology which will allow them to compete successfully for and to complete graduate studies in the field;
c. equip majors and minors with those relevant subject matter skills which will prepare them for graduate level work in other related disciplines.

Psychology 131 or its equivalent is a prerequisite to all other courses in psychology and is credited towards the major and minor requirements. A major in psychology consists of thirty (30) credit hours which, in addition to Psychology 131, must include Psychology 132, 233, 333, and two of the following "cafeteria" courses: Psychology 234, 330, 332, 338, 339 and 435. The remaining credits will consist of free electives. A minor in psychology consists of eighteen (18) credit hours which, in addition to Psychology 131, must include Psychology 132 and two of the following courses: Psychology 233 (prerequisite Mathematics 136), 330, 332, 333 (prerequisite 233), 338 and 435. Electives make up the remaining credits.

Students planning to major in psychology may take in the freshman year Psychology 131, 132 and in some cases Mathematics 136. Mathematics 136 is a prerequisite of Psychology 233, a major requirement. Whether or not students are eligible to take Mathematics 136 during their freshman year will depend upon their performance on the mathematics placement test given upon entrance to the University.

An additional requirement for majors is completion of one of the following:

a. a second year of a selected foreign language (a general education requirement mandates the first year)

or

b. Computer Science 131 and 132

or

c. Psychology 234 and 334.

The student may choose to pursue either of these three options.

PSYCHOLOGY 131 General Psychology I **Three credit hours**
A course designed to provide an understanding of behavior through the study of growth and development, motivation, emotion, learning, personality, intelligence, and other related topics. FALL and SPRING SEMESTERS.

PSYCHOLOGY 132 General Psychology II **Three credit hours**
A more intensive and rigorous treatment of selected topics within general psychology. Special emphasis on experimental procedures, laboratory demonstrations and participation. SPRING SEMESTER.

PSYCHOLOGY 230 Psychology of the Exceptional **Three credit hours**
An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Emphasis on applications to educational settings. (Same as Education 296.) SPRING SEMESTER.

PSYCHOLOGY 233 Psychological Statistics **Three credit hours**
The application of inferential statistics to data in the social sciences. Emphasis on normal, chi-square, t, and F distributions, regression, and hypothesis testing. Prerequisite: Mathematics 136 or its equivalent. (Same as Sociology 233.) FALL SEMESTER.

PSYCHOLOGY 234 Experimental Designs **Three credit hours**
Presentation of various statistical designs used in psychological research. Emphasis on the analysis of variance. Prerequisite: Psychology 233 or its equivalent. SPRING SEMESTER.

PSYCHOLOGY 235 Psychology of Childhood **Three credit hours**
A study of the development of children from conception to adolescence. The biological factors and social forces that affect the growing child are dealt with, as are cognitive and moral development, learning, maturation and family relationships. FALL and/or SPRING SEMESTERS.

PSYCHOLOGY 237 Psychology of Adolescence **Three credit hours**
The psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. FALL and/or SPRING SEMESTERS.

PSYCHOLOGY 239 Educational Psychology **Three credit hours**
A study of the theories of education and the principles of classroom learning. Concepts dealing with the acquisition of knowledge and interpersonal social relations are emphasized. The practical application of these principles are incorporated. FALL and/or SPRING SEMESTERS.

PSYCHOLOGY 330 The Psychology of Learning **Three credit hours**
A study of the facts and theories of human and animal learning. SPRING SEMESTER.

PSYCHOLOGY 332 The Psychology of Perception **Three credit hours**

A study of the basic phenomena of perception as determined by conditions in the external situation and within the perceiver. FALL SEMESTER.

PSYCHOLOGY 333 Experimental Psychology I **Three credit hours**

Theory, methods, and techniques of experimental psychology through investigations of psychophysics, scaling, sensation, and human learning. Two hours of lecture and two hours of laboratory work per week. Prerequisite: Psychology 233 or its equivalent. FALL SEMESTER.

PSYCHOLOGY 334 Experimental Psychology II **Three credit hours**

Theory, methods, and techniques of experimental psychology through investigations of animal learning, perception, social interaction, and aesthetics. Two hours of lecture and two hours of laboratory work per week. Prerequisite: Psychology 333 or permission of the instructor. SPRING SEMESTER.

PSYCHOLOGY 335, 325, 315 Selected Topics in Psychology
One (315), two (325), or three (335) credit hours

Exploration of special psychological topics. May be repeated. Prerequisites: Fifteen (15) hours in psychology. ON OCCASION.

PSYCHOLOGY 336 Psychology of Religion **Three credit hours**

A study of the psychological factors in religious experience and the dynamic patterns affecting religious adjustment and maladjustment. Special attention to the problems of sin, guilt, conversion, and religious beliefs. Alternate years. (Same as Religion 334.) FALL SEMESTER.

PSYCHOLOGY 338 Personality Theory **Three credit hours**

An introduction to some of the major theories of personality and their implications for daily living. The contents and functions of personality theories are explored. FALL SEMESTER.

PSYCHOLOGY 339 Principles of Psychological Measurement **Three credit hours**

An introduction to psychological testing which includes an exploration of the functions and origins of the area. Basic characteristics of assessment techniques such as the establishment of reliability and validity are studied. Students are introduced to some of the major psychological tests available today. Laboratory experience in test administration and interpretation is provided. SPRING SEMESTER.

PSYCHOLOGY 430 Psychology of Speech **Three credit hours**

The psychological principles involved in oral communication and their application to special individual and group problems. (Same as Speech 430.) SPRING SEMESTER.

PSYCHOLOGY 431 Social Psychology **Three credit hours**

Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Sociology 431.) SPRING SEMESTER.

PSYCHOLOGY 432 Abnormal Psychology **Three credit hours**

A study of the basic facts and theories of abnormal behavior from the psychologist's point of view. Provision is made for discussion of current and critical issues of mental disturbance. FALL SEMESTER.

PSYCHOLOGY 434 Introduction to Clinical Psychology **Three credit hours**

A study of the historical development of clinical psychology and an exploration of the theories of personality and behavior, the techniques and problems of diagnosis and personality assessment, the research role of the clinical psychologist, the diversity of psychotherapeutic approaches, community psychology and mental health, and professional issues related to the training and practice of clinical psychologists. SPRING SEMESTER.

PSYCHOLOGY 435 Theoretical Psychology **Three credit hours**

A comprehensive review of the development of the field of psychology and the systems and theories of psychology that have evolved out of their historical roots. Contemporary trends in each area of the discipline are explored. FALL SEMESTER.

PSYCHOLOGY 436, 426, 416 Independent Research in Psychology
One (416), two (426), or three (436) credit hours

Independent investigation of topics of special interest. Prerequisites: junior classification, six hours in psychology, approval of faculty supervisor. May be repeated. FALL and SPRING SEMESTERS.

PSYCHOLOGY 437 Individual Psychological Tests I **Three credit hours**

The administration and interpretation of tests for preschool and elementary school children. Prerequisites: Mathematics 136, Psychology 339, and nine additional hours in psychology. FALL SEMESTER.

PSYCHOLOGY 438 Individual Psychological Tests II **Three credit hours**

The administration and interpretation of tests at the adolescent and adult levels. Prerequisites: Mathematics 136, Psychology 339, and nine additional hours in psychology. SPRING SEMESTER.

PSYCHOLOGY 460 Internship in Psychology **Six credit hours**

An opportunity for students, under supervision, to participate in such professional psychological activities as testing, counseling, job placement, group therapy, and research. NOTE: Each student will be responsible for 160 to 200 hours of work in a selected community agency and for participation in periodic seminars. FALL and/or SPRING SEMESTERS.

CURRICULUM FOR PSYCHOLOGY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
History 131	3	Psychology 131	3
French or Spanish 131	3	French or Spanish 132	3
Math 131	3	Math 136	3
Music 131	3	History 132	3
Orientation 120	2		
	17		15

Sophomore Year

English 231	3	English 232	3
Psychology 233	3	Psychology 132	3
Psychology Elective (200 Level)	3	Speech 131	3
Computer Science 131	3	Computer Science 132	3
Biology 140	4	Physical Education (Activity)	1
Physical Education (Activity)	1	Physical Education 121	2
	17		15

Junior Year

Psychology 333	3	Psychology Electives	6
Physical Science 141	4	Social Science Requirement	3
Religion 130 or Phil 131	3	Electives	6
Art 231	3		
Psychology "Cafeteria Requirement"	3		
	16		15

Senior Year

Psychology "Cafeteria Requirement"	3	Electives	12
Psychology Electives	3		
Electives	9		
	15		12

DIVISION IV: MATHEMATICS AND SCIENCES

The Departments of Biology, Chemistry, Computer Science, Mathematics, and Physics constitute the Division of Natural Science and Mathematics. Students may elect a major in biology, chemistry, mathematics, computer science, or physics-mathematics. All departments will provide work for a minor.

Premedical, predental, and other preprofessional programs may be arranged. (See Biology and Chemistry).

GENERAL SCIENCE MAJOR

A major in general science consists of Biology 143-144, Chemistry 141-142, Computer Science 231, Mathematics 143-145, Physics 241-242, 12 additional semester hours in courses above the 100-level in one of the three sciences (biology, chemistry, and physics) and 3 additional semester hours above the 100-level in another of the three sciences.

DEPARTMENT OF BIOLOGY

The Department of Biology attempts to develop an understanding of life through a comprehensive and penetrating study of the concepts, methodology, and philosophy of biology. The department hopes to provide an environment in which the broad themes of biology may be discussed and their relevance to other disciplines appreciated. In addition, the department attempts to prepare students for graduate work, research, and training for professional service in medicine, dentistry, medical technology, other health science fields, and related areas, including eduction.

A major in biology requires a minimum of thirty-two credit hours in biology; these thirty-two hours must include Biology 143, 144, 411, and 412. The other twenty-two credit hours must include at least one course from each of two groups. Group I consists of Biology 241, 331, 340, 343 and 345; group II consists of Biology 242, 342, 440 and 442. Biology 140, 146 and 240 are for non-majors and may **not** be used to satisfy major requirements.

The biology major also requires thirty-two hours of related science and mathematics courses; these courses are Chemistry 141, 142, 341, and 342, Mathematics 143 and 145, and Physics 241 and 242. In all supporting courses listed above, a minimum of "C" average is required.

A minor in biology requires twenty credit hours of biology courses, of which twelve credit hours must be in courses above the 100-level.

A biology major who wishes to teach biology in secondary schools may fulfill requirements for this major by taking the following courses:

Education 232, 230, 331, 393, 395, 432, 492X;

Psychology 131, 237, 239;

Physical Education 226 and two P.E. activity courses;

Chemistry 141, 142, and 341;

Mathematics 143 and 145;

Biology 143, 144, 411, 412, and 434;

Twenty additional credit hours of biology courses from the following two groups:

Biology 241, 331, 340, 343, or 345 **(at least one of these)**

Biology 242, 342, 440, or 442 **(at least one of these)**

Substitution for courses may be authorized by the head of the department and filed with the registrar.

BIOLOGY 140† Introductory Biology **Four credit hours**

A study of the plant and animal kingdom. A general treatment of the structure, function, and continuity of living organisms. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 143 General Zoology **Four credit hours**

A study of the structures, function, environmental relationships, origin, and development of animals. Fulfills the requirements for a major in biology. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 144 General Botany **Four credit hours**

A study of the morphology, physiology, heredity, and evolution of plants, including a survey of the plant kingdom. Emphasis on life cycles. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 146 Molecular Biology **Four credit hours**

A study of the physical and chemical aspects of cellular activity. Fulfills requirements for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 240 Human Anatomy and Physiology **Four credit hours**

A study of the basic structure and functions of man, both descriptive and experimental. Prerequisite: Biology 140. Fulfills requirements for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 241 Cell Biology **Four credit hours**

A detailed study of the structure, organization, physiological activities, and ecology of plant and animal cells. Prerequisites: Biology 143 and 144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 242 Ecology **Four credit hours**

Relationships between organisms and their environment. Emphasis on the climatic, edaphic, physiographic, and biotic principles involved. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week. Several field trips to be included.

BIOLOGY 331 Laboratory Technique **Three credit hours**

An interdisciplinary course in laboratory methods which will include chromatography, electrophoresis, spectrophotometry, and electroanalytic methods. Designed for prospective teachers and for students interested in medicine, dentistry, or allied health professions. Prerequisites: Biology 143-144 and Chemistry 141-142. Corequisite: Physics 241. Lecture: one hour a week. Laboratory: four hours a week.

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†*May be used to satisfy general education requirements and physical education major.*

BIOLOGY 340 Genetics **Four credit hours**

The transfer of hereditary characteristics studied at the molecular, organismic, and species levels. Prerequisites: Biology 143-144 or the equivalent, Chemistry 141-142, Mathematics 333 or the equivalent. Organic chemistry recommended. Lectures: three hours a week. Laboratory: four hours a week.

BIOLOGY 342 Microbiology **Four credit hours**

An introduction to the study of microorganisms. Special emphasis on their relationship to man. Prerequisites: Biology 143-144. Chemistry recommended. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 343 Histology **Four credit hours**

Instruction in the technique of preparing tissues of microscopic observation. The examination and detailed study of various tissues. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 345 Embryology **Four credit hours**

A study of the development process in animals. Special reference to the frog, chick, pig, and man. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 410, 420, 430 Research Problems in Biology
One to three credit hours

Independent or team work in laboratory investigation of some aspects of biology. Progress reports, discussions, and presentation of results. Work permitted to extend over several semesters. Prerequisite: approval of the research director.

BIOLOGY 411-412 Seminar **One credit hour**

Independent work on recent findings of some aspect of biology. Prerequisite: approval of the seminar coordinator and the head of the department.

BIOLOGY 434 Methods in Teaching Science in the Secondary Schools **Three credit hours**

A study of the current approaches, texts and materials used in teaching science in the secondary schools. Junior level and approval of instructor required.

BIOLOGY 440 Integrated Physiology **Four credit hours**

An analysis of the processes by which vertebrates and invertebrates maintain, regulate, and perpetuate their structural and functional integrity. Prerequisites: Biology 143-144, Chemistry 141-142, and Chemistry 243 or 341. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 442 Comparative Anatomy **Four credit hours**

A general study of the various vertebrate types, including mammals. A detailed laboratory study of the gross anatomy of a specimen of fish, amphibian, reptile, bird, and mammal. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 444 Pathobiology **Four credit hours**

The fundamentals of disease, emphasis on mechanism of cellular injury, inflamation, immunological injury, host-parasite relationship, and the genetic basis of disease. Prerequisites: Biology 143-144, and 342. Lectures: three hours a week. Laboratory: two hours a week.

CURRICULUM FOR BIOLOGY MAJORS
(Bachelor of Science Degree)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Math 143	4	Math 145	4
Biology 143	4	Biology 144	4
English 191*	3	English 192*	3
French or Spanish 131	3	French or Spanish 132	3
Orientation 120	2	Music, Drama, Art, or Speech	3
	16		17

Sophomore Year

Chemistry 141	4	Chemistry 142	4
Physics 241	4	Physics 242	4
Biology 241	4	Biology 242	4
English 231 World Literature	3	English 232	3
Physical Education 121	2	Social Studies Elective	3
Physical Education Elective (Activity)	1		
	18		18

Junior Year

Chemistry 341	4	Chemistry 342	4
Biology 331 Laboratory Technique	3	Biology 412	1
Biology 411	1	Biology 410, 420, 430	1-2-3
Social Studies Elective	3	Social Studies Elective	3
Philosophy 131 or Religion 130	3	Drama, Art, or Speech	3
Physical Education Elective (Activity)	1	Religion 130 or Philosophy 131	3
Elective	3		
	18		15-17

Senior Year

Chemistry 333	3	Chemistry 334	3
Biology 340	4	Biology 342	4
Biology 440	4	Biology 345	4
Biology 410, 420, 430	1-2-3	Social Studies Elective	3
Elective	3	Elective	3
	15-17		17

**Mathematics and English courses in the freshman year: dependent upon placement results.*
***Recommended course.*

DEPARTMENT OF CHEMISTRY

The courses in chemistry are designed to enable students to acquire a general knowledge of chemistry, to give a basic foundation to those students who plan to enter health related professions, to work in industry or pursue advanced work in chemistry, and to equip those students who wish to teach in this discipline. The course work is supported by modern instrumentation including gas and liquid chromatographs, polarimeters, and NMR, UV, IR and other spectrophotometers.

The major in chemistry requires a minimum of thirty-four credit hours consisting of Chemistry 141-142, 241-242, 341-342, 411-412, 431-432 and 422. In addition to the required courses in Chemistry, Physics 241-242 or 243-244, six (6) credits of Computer Science, and Mathematics 241-242 or higher calculus courses are also required. In all of the above listed courses in Chemistry, Physics and Mathematics a minimum grade of "C" is required for graduation. A minor in chemistry requires a minimum of twenty-two credit hours of chemistry courses which must begin with Chemistry 141-142. Physics 241-242 and Computer Science are also required for the minor.

The foreign language requirement for chemistry majors has been recently changed. To earn a BS degree in chemistry a student must meet the University's general education requirement for foreign language. In addition, those students who matriculated prior to the 1986-87 academic year have a choice of completing either twelve (12) credits of foreign language (or its equivalent), or six (6) credits of foreign language (or its equivalent) and six (6) hours of Computer Science.

CHEMISTRY 141-142 General Chemistry **Four credit hours each**

A discussion of the fundamental principles of chemistry in relation to the physical and chemical properties of the metallic and nonmetallic elements and their compounds. Placement into a mathematics course above the 143 level is required. Three lectures and four hours of laboratory a week.

CHEMISTRY 241 Analytical Chemistry **Four credit hours**

The theory and practice of analytical measurements as applied to volumetric and gravimetric determinations. Prerequisite: Chemistry 142. Three lectures and four hours of laboratory a week.

CHEMISTRY 242 Instrumental Analysis **Four credit hours**

A discussion of the theoretical principles and applications of modern chemical instrumentation including spectroscopic, chromatographic and electrochemical techniques. Appropriate experiments to complement the discussion. Prerequisite: Chemistry 241 or consent of department. Three lectures and four hours of laboratory a week.

CHEMISTRY 313-314 Biochemistry Laboratory **One credit hour each**

Courses to accompany Chemistry 333-334. Four hours of laboratory a week.

CHEMISTRY 331 Inorganic Chemistry **Three credit hours**

A study of the theoretical and descriptive aspects of inorganic chemistry, emphasizing the relationships between atomic and molecular structure and chemical and physical properties. Prerequisite: Chemistry 241. Lecture three times a week.

CHEMISTRY 333-334 Biochemistry **Three credit hours each**

A study of the biochemical processes and molecular reactions occurring in living systems, including a study of carbohydrates, lipids, proteins, metabolic reactions and accompanying energy considerations. Prerequisites: Chemistry 342 and consent of the department. Lecture three hours a week.

CHEMISTRY 341-342 Organic Chemistry **Four credit hours each**

A study of the fundamental principles of Organic Chemistry as illustrated by reaction mechanisms and products, functional group reactions and preparations and syntheses of both aliphatic and aromatic systems. Prerequisite: Chemistry 142 with a grade of "C" or better. Three lectures and four hours of laboratory a week.

CHEMISTRY 411-412 Selected Experiments in Physcial Chemistry **One credit hour each**

Courses to accompany Chemistry 431-432. Four hours of laboratory a week.

CHEMISTRY 420-421 Chemistry Seminar **Two credit hours each**

Presentation and discussion of selected topics from the major areas of chemistry. Oral and written reports required. Prerequisite: consent of department.

CHEMISTRY 422 Laboratory Projects in Chemistry **Two credit hours**

Advanced laboratory investigation designed to allow the student to become more actively involved in chemical research either by participating in faculty designed projects or by pursuing individual interests approved by the staff. Prerequisite: consent of the department. May be repeated for credit.

CHEMISTRY 430 Advanced Organic Chemistry **Three credit hours**

Topics of interest in theoretical and practical organic chemistry, including mechanisms, reactions and synthetic methods. Prerequisite: Chemistry 342.

CHEMISTRY 431-432 Physical Chemistry **Three credit hours each**

The principles of chemistry as applied to the properties and behavior of gases, liquids, solids and solutions. The basic principles of Thermodynamics, Quantum Mechanics, Kinetics and their applications to chemical and biochemical systems. Prerequisites: Chemistry 241, Mathematics 241 and Physics 242 or 244.

CHEMISTRY 434 Methods in Teaching Science in the Secondary School **Three credit hours**

A study of the current approaches, texts and materials used in teaching science in the secondary schools. Prerequisites: Junior standing and consent of the department. Three lectures a week.

PHYSICAL SCIENCE 141 Physical Science **Four credit hours**

A study of the physical universe, including physical, chemical, earth and astronomical aspects. A terminal course fulfilling general education requirements for non-science majors. Prerequisite: Mathematics 131. Three hours of lecture and two hours of laboratory a week.

EXAMPLE CURRICULUM FOR CHEMISTRY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Chemistry 141	4	Chemistry 142	4
Mathematics 143	4	Mathematics 144	4
English 191	3	English 192	3
Foreign Language 131	3	Foreign Language 132	3
Freshman Orientation 120	2	Personal Hygiene 121	2
	16		16

Sophomore Year

Chemistry 241	4	Chemistry 242	4
Mathematics 241	4	Mathematics 242	4
English 231	3	English 232	3
Computer Science	3	Computer Science	3
Physical Education (Activity)	1	Physical Education (Activity)	1
	15		15

Junior Year

Chemistry 341	4	Chemistry 342	4
Physics 241 or 243	4	Physics 242 or 244	4
History 131	3	History 132	3
Biology 140 or 143	4	Soc. Science or Humanities Req.	3
Chemistry 422	2	Soc. Science or Humanities Req.	3
	17		17

Senior Year

Chemistry 431	3	Chemistry 432	3
Chemistry 411	1	Chemistry 412	1
Soc. Science or Humanities Req.	3	Soc. Science or Humanities Req.	3
Soc. Science or Humanities Req.	3	Soc. Science or Humanities Req.	3
Elective	3	Elective	3
Elective	3	Elective	3
	16		16

Recommended Electives:

Calculus III	Advanced Organic Chemistry
Differential Equations	Biochemistry
Computer Science Courses	Seminar

DEPARTMENT OF MATHEMATICS AND PHYSICS

MATHEMATICS

The objectives of the Department of Mathematics are as follows: to provide students with mathematical background for general and professional education, to prepare students for advanced study in mathematics, to prepare students to become mathematics teachers, to prepare students for employment in applied mathematics, and to develop appreciation for mathematics as a science.

A major in mathematics consists of thirty-three credit hours in mathematics beginning with Mathematics 241. The following courses are required: Mathematics 241-242, 333, 335, or 439, 336, 341, 427, and 428. Students majoring in mathematics must also take eight credit hours of physics or four credit hours of physics and Computer Science 231.

A minor in mathematics consists of twenty-one credit hours of mathematics only or fifteen credit hours of mathematics and six credit hours of business, marketing, or economics. Required courses for a minor are Mathematics 136 or 333, 241-242, and 336. Electives include any mathematics courses above Mathematics 241 and any two of the following: Business 333, Economics 432, and Marketing 331 or 431.

Additional courses for the student majoring in mathematics may be selected from the track most appropriate for his postcollege plans.

TRACK 1: Graduate Study (Mathematics 334, 431, and another three-credit mathematics course)

TRACK 2: Teacher of Mathematics (Mathematics 136 or 334, 330, 420, 423 and 424, 434 or 426, and two credit hours of independent study; Education 232, 230, 331, 393, and 395; Psychology 131, 237, and 239; Physical Education 226)

TRACK 3: Computer Science (Mathematics 434 and twelve credit hours in computer science)

TRACK 4: Business (Mathematics 136, Computer Science 231-232, Economics 231-232, Accounting 235-236, and these electives: Business 335-333, Marketing 331 or 431, and six credit hours in accounting or economics)

PLACEMENT

All entering freshmen are required to take the Mathematics Placement Test. Students whose performance demonstrates a need for arithmetic will be required to enroll in Math 130. Other non-science students will enroll in Math 131 or a more advanced math course based upon performance on the placement test. Students who are required to enroll in Math 130 must take Math 131 before taking Math 132. Students planning to major in Biology, Chemistry, Mathematics, or Computer Science who are not required to take Math 130 should enroll in Math 143.

The Mathematics Advanced Placement Test is also given for students who desire to satisfy the general education requirement by taking higher level courses. A satisfactory advanced placement score will exempt students from Math 130, 131, and permit them to enroll immediately in Math 132, 143, 144 or 241. All students must earn at least six hours above Math 130 to satisfy the general education mathematics requirement.

MATHEMATICS 130 Fundamental Arithmetic **Three credit hours**
Fundamental operations of arithmetic with applications.

MATHEMATICS 131 Basic Mathematics I **Three credit hours**
Basic fundamental algebra; real numbers and their properties; terms, expressions and factoring; linear and quadratic equations; exponents, and logarithms; practical applications involving word problems.

MATHEMATICS 132 Basic Mathematics II **Three credit hours**
A continuation of the development of real numbers with applications, finite mathematical systems, topics from number theory, selective topics from probability and statistics, functional relationships, ratio and proportion, sequences, and progressions. Prerequisite: Mathematics 131 or specified score on placement test.

MATHEMATICS 136 Introductory Statistics **Three credit hours**
A course for majors in areas other than mathematics. Descriptive statistics, introductory probability, the normal curve, linear correlation and regression. Prerequisite: Mathematics 131 or the equivalent.

MATHEMATICS 143 Intermediate Algebra **Four credit hours**
This course covers the concepts of algebra, the real number system, elementary algebraic, logarithmic functions, solutions of a system of linear equations in two and three unknowns by elimination and by Cramer's rule, and complex numbers. This course is required of all science majors whose placement score will not enable them to enroll in Math 144 or Math 241.

MATHEMATICS 144 Precalculus Analysis **Four credit hours**
Sets, number fields, equations and inequalities, introduction to analytic geometry; algebraic, exponential, logarithmic, and trigonometric functions, solution of a system of linear equations in two and three unknowns by Gaussian's eliminations and Cramer's rule, complex numbers, and De Moivre's Theorem. Prerequisite: Mathematics 143 or the equivalent.

MATHEMATICS 145 Introductory Calculus **Four credit hours**
Exponential, logarithmic and trigonometric functions, topics from analytic geometry, and polynomial calculus with applications. This course is designed for biology, social science, business and economic majors. Prerequisite: Mathematics 143.

MATHEMATICS 210 Statistical Laboratory **One credit hour**
A supporting course for Mathematics 136. Two one-hour laboratory periods per week.

MATHEMATICS 241-242 Calculus I and II **Four credit hours each**
Plane analytic geometry, fundamental concepts of differentiation, and integration with applications. Prerequisite: Mathematics 144 or 145.

MATHEMATICS 330 Modern Geometry **Three credit hours**
The logical structure and use of Euclidean Geometry. The relationship of Euclidean geometry to other geometries. Prerequisite: Mathematics 241.

MATHEMATICS 333-334 Probability and Statistics **Three credit hours each**
Elements of probability theory, mathematical statistics and applications. Prerequisite: Mathematics 242 for part I and Mathematics 341 for part II.

MATHEMATICS 335 Introductory Abstract Algebra **Three credit hours**
Elementary set theory and logic, mapping, groups, rings, integral domain, fields, and polynomials. Prerequisite: 144 or the equivalent.

MATHEMATICS 336 Introductory Linear Algebra **Three credit hours**
Systems of linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants. Prerequisite 144 or the equivalent.

MATHEMATICS 337 Mathematics for Early Childhood-Intermediate School Teachers I **Three credit hours**
Sets, development of whole numbers, natural numbers, fractions and integers with emphasis on their properties; the concept of number and numeral, algorithms, and the metric system. Prerequisite: Mathematics 132.

MATHEMATICS 338 Mathematics for Early Childhood-Intermediate School Teachers II **Three credit hours**
Real numbers with emphasis on their properties, logic, relations and functions; the concept of measure; measurement including the metric system; topics from intuitive geometry; exposure to algorithms and innovative methods of teaching mathematics to students with a wide range of abilities. Prerequisite: Mathematics 337.

MATHEMATICS 341 Calculus III **Three credit hours**
Extension of the calculus to several variables, vector analysis, infinite series and line integrals. Prerequisite: Mathematics 242.

MATHEMATICS 420 Materials and Methods in High School Mathematics **Two credit hours**
Modern methods and materials for teaching mathematics to high school students. Prerequisite: Mathematics 242 and 335 or 336.

MATHEMATICS 423-424 Internship in Mathematics **Two credit hours**
A two-part course designed to provide experience in laboratory approaches to the teaching of mathematics. Covers such topics as the use of audio-visual aids, programmed materials, and the designing of special mathematical activities to meet the needs of under-prepared students. Prerequisite: junior or senior with a major or minor in mathematics.

MATHEMATICS 427-428 History and Foundations of Mathematics **Two credit hours each**
History of mathematics up to 1600 through creative problem solving. Development of modern mathematics (the use of set theory in algebra, analysis, geometry) and the pioneers, beginning with Descartes. Prerequisite: Mathematics 242 or the equivalent.

MATHEMATICS 430 Topics in Analysis **Three credit hours**
Functions, relations, cardinality, the real numbers, infinite series, power series, and fields.

MATHEMATICS 431-432 Advanced Calculus **Three credit hours**
A real variable approach to calculus. Prerequisite: Mathematics 341.

MATHEMATICS 434 Elementary Differential Equations **Three credit hours**
A general course in ordinary differential equations. Prerequisite: Mathematics 341.

MATHEMATICS 438 Biostatistics **Three credit hours**
An introduction to methods of statistical analysis from a biological point of view. Topics cover probability distributions, confidence interval, estimation of population parameters, test of significance, analysis of variance, correlation and regression. Prerequisite: Mathematics 144.

Reading in Mathematics

Qualified students in mathematics may take any of the following courses as individual independent study units. Under certain circumstances, any of these courses may take the form of a regular class. Prerequisite: consent of the instructor.

MATHEMATICS 315, 316, 415, 416 Independent Study in Mathematics — **One to four credit hours**

MATHEMATICS 422 Topics in Complex Variables — **Two credit hours**

MATHEMATICS 426 Topics in Number Theory — **Two credit hours**

MATHEMATICS 439 Topics in Modern Algebra — **Three credit hours**

CURRICULUM FOR MATHEMATICS MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Math 143	4	Math 144	4
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Speech 131	3	Music 131	3
CSC 231	3	CSC 232	3
Orientation 120	2		
	18		16

Sophomore Year

Math 241	4	Math 242	4
Math 136	3	Math 336	3
Phys. 243	4	Phys. 244	4
English 231	3	English 232	3
Physical Education (Activity)	1	History 132	3
History 131	3		
	18		17

Junior Year

Math 427	2	Math 431	3
Math 341	4	Math 428	2
Math 333	3	Math 335	3
Social Science Req. 131	3	Biology 140	4
Electives*	3	Electives*	5
Physical Education (Activity)	1		
	16		17

Senior Year

Math 434	3	Computer Science	3
Religion 130 or Philosophy 131	3	Art 231	3
Electives*	9	Social Science Req. 131	3
		Electives*	6
	15		15

**Suggested Electives:*

CSC 233	*Math 334*
CSC 234	*Math 430*
CSC 341	*Math 432*

PHYSICS

The courses in physics are designed to train those who plan to do graduate work in physics, to enter industry, to teach in secondary or technical schools, and to obtain a general knowledge in the modern fields of descriptive and quantitative experimental physics.

A major in physics-mathematics consists of a minimum of twenty-three credit hours of physiscs and twenty credit hours of mathematics.

The physics requirements include 243, 244, 330, or 344, 331, 332, 431, and 432. The Physics Department may substitute other courses in physics to satisfy the requirement in the physics-mathematics major. A list of these courses must be filed with the registrar.

The mathematics requirements include 241, 242, 333 or 334, 336, 342, 430 or 431, and 434.

A minor in physics consists of the twenty-three credit hours of physics in the physics-mathematics major.

PHYSICS 241 General Physics **Four credit hours**

A study of mechanics, heat, and sound. Three lecture hours and two laboratory periods per week. Prerequisite: Mathematics 143 or the equivalent.

PHYSICS 242 General Physics **Four credit hours**

A study of electricity, magnetism, light, and modern physics. Three lecture hours and two laboratory periods per week. Prerequisite: Physics 241.

PHYSICS 243 Mechanics and Heat **Four credit hours**

A study of vectors, statics, dynamics, fluid mechanics, and heat. Three lecture hours and four laboratory periods per week. Corequisite: Mathematics 241.

PHYSICS 244 Electrodynamics **Four credit hours**

Electricity and magnetism. Topics treated in detailed manner. Three lecture hours and four laboratory periods per week. Prerequisite: Physics 243 and corequisite: Mathematics 241.

PHYSICS 330 Laboratory Electronics **Three credit hours**

An introduction to basic principles of electronics, operation of electronic measuring devices, and construction of devices for electrical and electronic measurements. One lecture hour and four laboratory periods per week. Prerequisite: Physics 244.

PHYSICS 331 Introduction to Modern Physics I **Three credit hours**

Elements of electricity and magnetism, the special theory of relativity, atomic particles, Bohr's theory, optical Spectra, and X ray Spectra. Three lecture hours per week. Prerequisite: Physics 244.

PHYSICS 332 Introduction to Modern Physics II **Three credit hours**

Radioactivity, disintegration of nuclei, fission and fusion, nuclear processes, fundamental particles, and accelerators. Three lecture hours per week. Prerequisite: Physics 331.

PHYSICS 344 Waves and Optics **Four credit hours**

A general but detailed study of waves, acoustics, and optics. Three lecture hours and two laboratory periods per week. Prerequisite: Physics 243.

PHYSICS 345 Biophysics **Four credit hours**

Sound and the ear, light and the eye, microscophy, the physics of muscular contraction, electrocardiography, radiation physics, and biophysical techniques using wave phenomena, nuclear phenomena, and mechanical and electrical phenomena. Three lecture hours and laboratory hours per week. Prerequisite: Physics 241-242, Biology 143, and Math 133-134.

PHYSICS 412 Physics Seminar **One credit hour**

Prerequisite: Consent of the instructor.

PHYSICS 431 Advanced Mechanics **Three credit hours**

Kinematics, moving coordinate systems, motion of rigid body, central force problem, oscillations and coupled oscillators, Lagrange's and Hamilton's equations, generalized coordinates. Three lecture hours per week. Prerequisites: Physics 243 and Mathematics 341.

PHYSICS 432 Advanced Electrodynamics **Three credit hours**

Electromagnetic field theory, Maxwell's equation, electromagnetic radiations and relativistic effects. Three lecture hours per week. Prerequisites: Physics 244 and Mathematics 341.

CURRICULUM FOR PHYSICS-MATHEMATICS MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Math 143	4	Math 144	4
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 131	3
Speech 131	3	Music 131	3
CSC 231	3	CSC 232	3
Orientation 120	2	Physical Education (Activity)	1
	18		17

Sophomore Year

Physics 243	4	Physics 244	4
Math 241	4	Math 242	4
Chemistry 141	4	Chemistry 142	4
English 231	3	English 232	3
Psychology 131	3	Physical Education 121	2
		Physical Education (Activity)	1
	18		18

Junior Year

Physics 330 or 344	3 or 4	Physics 332	3
Math 333	3	Math 336	3
Physics 331	3	Math 341	4
History 131	3	History 132	3
Biology 140	4	Phil 131 (or Religion 130)	3
	16 or 17		16

Senior Year

Physics 431	3	Physics 432	3
Math 431	3	Math 434	3
Economics 131		Electives	9
(or Political Science 131)	3		
Art 231	3		
Electives	3		
	15		15

COMPUTER SCIENCE

The use of modern information processing machines has become indispensible in solving problems in many areas vital to our well-being. Today, these machines are being used to help design and operate space vehicles, make financial transactions and management decisions, teach children reading and arithmetic, and to provide family entertainment. Many economists believe the computer and information industry will be one of the nation's largest by the turn of the century.

The Computer Science Program at Johnson C. Smith University reflects the growth and potential of this industry. The program provides courses and activities designed to provide marketable knowledge and skills for successful careers in the information processing industry, and to provide a theory-oriented foundation for graduate work in information and computer science.

A major in computer science consists of at least thirty-five credit hours of computer science courses. The required core courses are Computer Science 231, 232, 331, and 336. Additional required courses must be selected from one of two major tracks as follows:

Track 1: *Computer Studies*. Computer Science 333, 334, 421, 422, 431, 433; Mathematics 241, 242, 333, 336; and Physics 241, 242.

Track 2: *Computer Information Systems*. Computer Science 235, 236, 330, 341, 438; Economics 231, 233, Accounting 235, Marketing 331, Management 333, 432; Mathematics 143, 145, and Banking and Finance 330, 331.

A minor in computer science consists of at least twenty-one credit hours of computer science courses which must include Computer Science 231, 232, 333, and 334.

All 100, 200 and 300 level computer science courses provide hands-on experience involving the actual operation of computers and peripheral devices.

COMPUTER SCIENCE 131 Computer Concepts I **Three credit hours**
A course designed to acquaint the student with concepts, terminology and components of modern information processing systems. Topics include basic computer components and their functions, computer data representation and arithmetic, characteristics of input-output media and devices, data communications, programming languages. Prerequisite: Mathematics 132.

COMPUTER SCIENCE 132 Computer Concepts II **Three credit hours**
A continuation of Computer Science 131. Language syntax, development of algorithms for business oriented problems, structured programming techniques. Examples in business system programming. Prerequisite: Computer Science 131.

COMPUTER SCIENCE 231 Computer Programming I **Three credit hours**
Organization and characteristics of digital computers. Language syntax, design and representation of algorithms. Problem solving and programming techniques, debugging and program verification, computer processing of programs, files and basic data structures. Prerequisites: Mathematics 143; Computer Science 132.

COMPUTER SCIENCE 232 Computer Programming II **Three credit hours**
Introduction to computer organization. Machine language, instruction format and execution, memory organization and addressing techniques, digital representation of data, symbolic coding and assembly systems. Prerequisite: Computer Science 231.

COMPUTER SCIENCE 235-236 Commercial Data Processing I, II
Three credit hours each
Detailed study of COBOL including advanced language features. Business systems design and development, programming for business systems. Data base concepts, program development in a data base environment. Prerequisite: Computer Science 132 or 231.

COMPUTER SCIENCE 331 Introduction to Discrete Structures
Three credit hours
Elements of set theory, functions and relations, counting techniques. Boolean algebra, graph theory, groups and rings. Applications of these structures to computer science. Prerequisite: Mathematics 336; Computer Science 232.

COMPUTER SCIENCE 333 Computer Organization and Programming
Three credit hours
Advanced assembly language programming. Macro definitions and expansions. Systems and utility programs. Instruction format and execution, microprogrammed control. I/O devices and interfacing. Channel programs and interrupt handling. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 334 Introduction to Operating Systems **Three credit hours**
Brief history of operating systems. Functions of operating systems, process management, input/output systems, memory management, file and data management. Example of an operating system. Prerequisite: Computer Science 333.

COMPUTER SCIENCE 336 Data Structures and Algorithms **Three credit hours**
Basic concepts of data. Linear lists, arrays and strings. Representation of trees and graphs. Hashing, sorting and searching algorithms. Multi-linked structures. Storage allocation and collection. Prerequisite: Computer Science 331.

COMPUTER SCIENCE 337-338 Introduction to Programming Languages I, II
Three credit hours each
Fundamental characteristics, structure and syntax of several major programming languages. Formal specification of syntax and semantics. Basic data types, operations, statement types and program structure. Run-time representation of programs and data. Program linkage and data transfer between programs. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 341 Applications Programming I **Four credit hours**
Review of facilities of COBOL, including table handling, file access methods, report generation, program linkage and data transfer. Application of computer programming and system development concepts, principles and practices to a comprehensive system development project. Prerequisite: Computer Science 236.

COMPUTER SCIENCE 342 Applications Programming II **Four credit hours**
Programming of numeric and non-numeric algorithms. Logical and internal data models. Simulation and performance measurement. Applications to database processing. Prerequisites: Mathematics 145; Computer Science 336.

COMPUTER SCIENCE 421-422 Introduction to Theory of Computing
Two credit hours each

Fundamental concepts of automata theory. Finite state machines. Turing machines and computational power of machines. Analysis of computer algorithms, correctness and complexity. Representation of combinatorial objects. Prerequisites: Mathematics 242; Computer Science 336.

COMPUTER SCIENCE 431 Computer Theory and Logic **Three credit hours**

Application of Boolean algebra to combinational circuit design problems. Design of gates, flipflops, registers and memories to perform operations on binary data. Microprocessor architectures, hardware modules and interfacing. Software for data communications. Prerequisite: Computer Science 331, 333; Physics 241.

COMPUTER SCIENCE 432 Numerical Methods **Three credit hours**

Algorithms and computer techniques for numerical solutions of problems in several areas including numerical integration and differentiation, linear systems of equations, zeros of functions and curve fitting. Round-off error analysis. Prerequisites: Mathematics 242, 336; Computer Science 231.

COMPUTER SCIENCE 433 Computer Software Organization and Design
Thre credit hours

Detailed study of the design and implementation of systems software including assemblers, loaders, and operating systems. Modification of an existing assembler or operating system and evaluation of results. Prerequisite: Computer Science 334.

COMPUTER SCIENCE 434 Introduction to Compilers **Three credit hours**

Organization of compilers. Detailed study of algorithms for lexical scanners, top-down and bottom-up recognizers. Grammars, symbol tables and run-time storage organization. Error recovery and diagnostics. Code generation and optimization. Prerequisites: Computer Science 331, 338.

CURRICULUM FOR COMPUTER SCIENCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Orientation 120	2	Mathematics 144 or 145	4
Mathematics 143	4	French or Spanish 132	3
French or Spanish 131	3	English 192	3
English 191	3	Computer Science 132	3
Computer Science 131	3	Music 131	3
Physical Education 121	2	Physical Education (Activity)	1
	17		17

Sophomore Year

Computer Science 231	3	Computer Science 232	3
Mathematics 241	4	Mathematics 242	4
English 231	3	English 232	3
History 131	3	History 132	3
Biology 140	4	Art 231	3
		Physical Education (Activity)	1
	17		17

Junior Year

Computer Science 331	3	Computer Science 334	3
Computer Science 333	3	Computer Science 336	3
Mathematics 336	3	Mathematics 333	3
Physics 241	4	Physics 242	4
Psychology 131	3	Political Science	3
	16		16

Senior Year

Computer Science 421	2	Computer Science 422	2
Computer Science 431	3	Speech 131	3
Computer Science 433	3	Electives (R)*	9
Religion 130 or Philosophy 131	3	Electives (F)**	3
Electives (R)*	3		
Electives (F)**	3		
	17		17

**Restrictive Electives*
***Free Electives*

PREPROFESSIONAL OPPORTUNITIES IN THE SCIENCE DIVISION

Premedical and Predental Programs

All courses required for preparation for medical and dental school are offered at Johnson C. Smith University. A student may major in any area of study, but the Health Careers Committee recommends a major in biology or chemistry. The following courses are required for admittance to most medical schools: biology, two semesters; chemistry (general and organic), four semesters; physics, two semesters. Other specific courses are required by some medical schools. Academic advisors and the Health Careers Committee will aid students in arranging their programs.

Students who complete general education requirements and who are accepted into a medical or dental school at the end of the junior year are eligible to receive the B.S. degree from Johnson C. Smith University upon the successful completion of the freshman year at the medical or dental school.

Engineering

Johnson C. Smith University and the University of North Carolina at Charlotte offer a joint five-year program in Civil, Mechanical and Electrical Engineering.

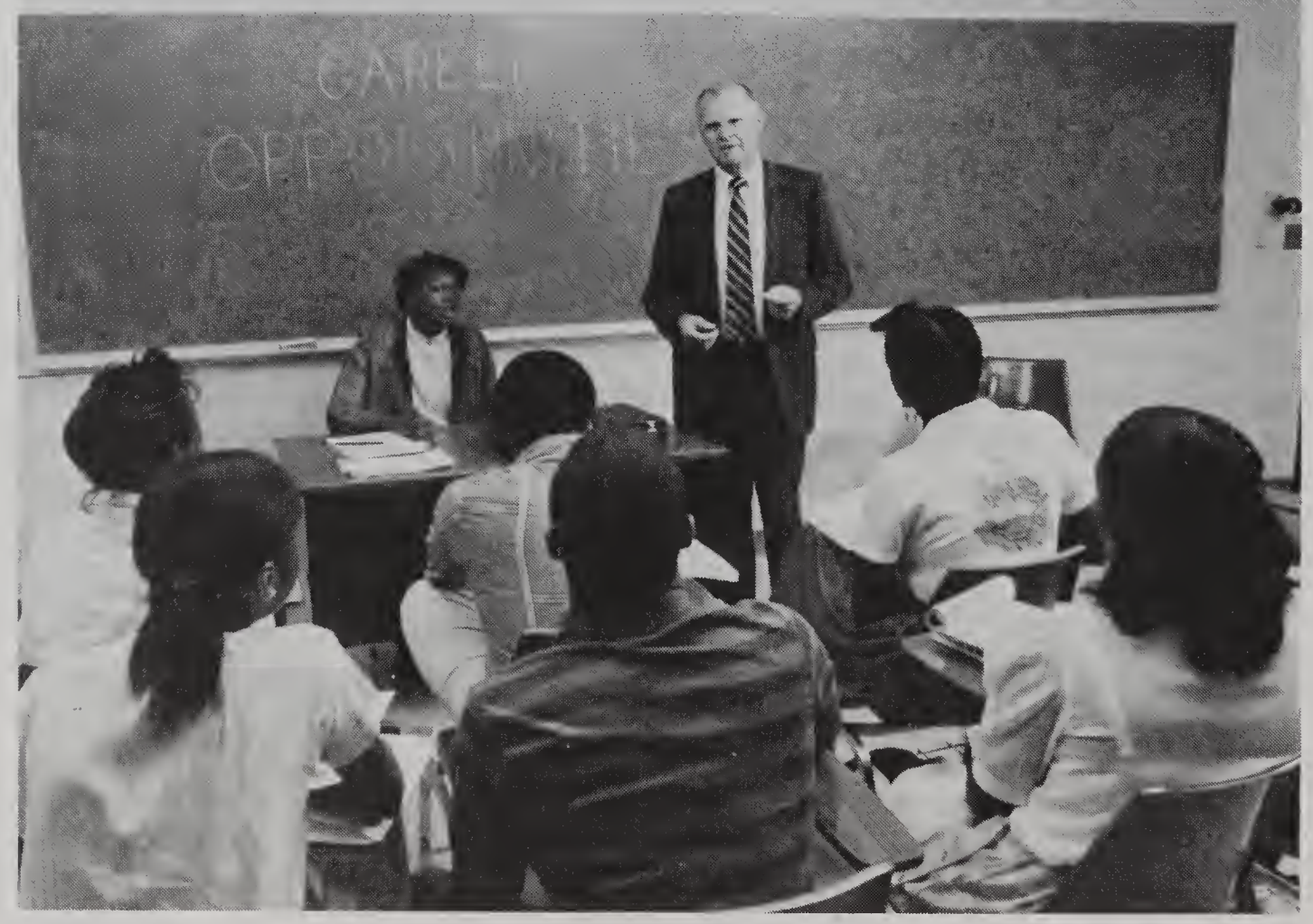
A student with a strong background in mathematics may pursue a major concentration in mathematics within a three year period and spend the additional two years at the University of North Carolina at Charlotte. Upon successfully completing the program, a student receives a bachelor of science degree in mathematics from JCSU and a bachelor's of science degree in engineering from UNCC.

Although the program allows some flexibility in scheduling of courses at each institution, suggested curricular guides are listed below for each field of engineering offered.

EGR 1100 Introduction to Engineering **One credit hour**

Introduction to engineering as an area of study and as a career; engineering morality and public responsibility; professional development and professional registration.

For a description of other engineering courses, consult the UNCC catalog.



UNCC-JOHNSON C. SMITH
CIVIL ENGINEERING

1st Semester		2nd Semester	
Math 144 (Pre-Calculus)	4	Math 241 (Calculus I)	4
Chem 141 (Gen. Chem.)	4	Chem 142 (Gen. Chem.)	4
Eng 190 (Composition I)	3	Eng 190 (Composition II)	3
Foreign Language 131	3	Foreign Language 132	3
Physical Education (Activity)	1	Music 131	3
Physical Education 121 (Hygiene)	2	*EGR 1100 (Intro. to Engr.)	1
Orientation 111	1		
	18		18

Summer Session

Biology 140	4
History 131	3
P.E. (Activity)	1
	8

3rd Semester		4th Semester	
Math 242 (Calculus II)	4	Math 341 (Calculus III)	3
Phy 243 (Mechanics)	4	Phy 244 (Elec. Magnetics)	4
Eng 231 (World Lit)	3	Speech 131 (Fundamentals)	3
Gen Psy 131	3	Eng 232 (World Lit)	3
CSC 231 (Comp. Prog.)	3	*CE 1102 (Comp. Applic.)	2
	17		15

5th Semester		6th Semester	
ECO 231 (Prin. of Econ)	3	Phy 331 (Modern)	3
Math 434 (Diff. Eq.)	3	*EGS 3141 (Solid Mech.)	3
*EGS 2141 (Engr. Mech. I)	3	*EGS 2142 (Engr. Mech. II)	3
*CE 2101 (Engr. Drawing)	2	*CE 2152 (Meas. Lab)	2
*EE 2161 (Basic EEI)	3	MAT 336 (Linear Alg.)	3
MAT 333 (Prob. & Stat.)	3		
	17		14

7th Semester		8th Semester	
*ME 3114 (Fluid Mech.)	3	*ME 3111 (Thermo I)	3
*CE 3121 (Structures)	3	*CE 3152 (Transportation Lab)	2
*CE 3141 (Environmental)	3	*Minor	3
*CE 3151 (Environmental Lab)	2	*Minor	3
*CE 3161 (Transportation)	3	*Minor	3
	14		14

9th Semester		10th Semester	
*CE 3221 (Steel Design)	3	*CE 3252 (Geotechnical Lab)	2
*CE 3225 (Concrete Design)	3	*CE 3272 (Systems & Design II)	3
*CE 3251 (Concrete & Steel Lab)	2	*CE XXXX (Dept. Elective)	3
*CE 3268 (Geotechnical)	3	*Minor	3
*CE 3271 (Systems & Design I)	3	*Minor	3
		*CE 3281 (Professionalism)	1
	14		15

*Taken at UNCC

UNCC-JOHNSON C. SMITH
ELECTRICAL ENGINEERING

1st Semester	
Math 144 (Pre-Calculus)	4
Chem 141 (Gen. Chem.)	4
Eng 190 (Composition I)	3
Foreign Language 131	3
Physical Education (Activity)	1
Physical Education 121 (Hygiene)	2
Orientation 111	1
	18

2nd Semester	
Math 241 (Calculus I)	4
Chem 142 (Gen. Chem.)	4
Eng 190 (Composition II)	3
Foreign Language 132	3
Music 131	3
*EGR 1100 (Intro. to Engr.)	1
	18

Summer Session

Biology 140	4
History 131	3
P.E. (Activity)	1
	8

3rd Semester	
Math 242 (Calculus II)	4
Phy 243 (Mechanics)	4
Eng 231 (World Lit)	3
Gen Psy 131	3
CSC 231 (Comp. Prog.)	3
	17

4th Semester	
Math 341 (Calculus III)	3
Phy 244 (Elec. Magnetics)	4
Speech 131 (Fundamentals)	3
Eng 232 (World Lit)	3
*EE 1102 (Comp. Lang I)	2
	15

5th Semester	
ECO 231 (Prin. of Econ)	3
Math 434 (Diff. Eq.)	3
*EE 2111 (Network Theory I)	3
*EE 2101 (Comp. Lang. I)	2
*EE 2181 (Dig. Logic)	3
MAT 336 (Linear Alg.)	3
	17

6th Semester	
Phy 331 (Modern)	3
*EE 2112 (Network Theory II)	3
*EE 2152 (Lab I)	2
*EGS 2143 (Stat. & Strength)	3
MAT 333 (Prob. & Stat.)	3
	14

7th Semester	
*EE 3111 (Sys. Anal. I)	3
*EE 3151 (Lab II)	2
*EE 3101 (Comp. Appl.)	3
*EE 3121 (Electromag. Fields)	3
*EE 3131 (Electronics & Semicond.)	3
*EE 3199 (Prof. Devel.)	0
	14

8th Semester	
*EE 3112 (Sys. Anal. II)	3
*EE 3152 (Lab III)	2
*EE 3142 (Elec. Mag. Dev.)	3
*EE 3132 (Electronics)	3
*EE 3122 (Electromag. Waves)	3
*EE 3199 (Prof. Devel.)	0
	14

9th Semester	
*EE 4111 (Control Sys. Theory I)	3
*EE 3251 (Senior Design I)	2
*EE 4XXX	3
*Tech Elective	3
*Tech Elective	3
*EE 3199 (Prof. Dev.)	0
	14

10th Semester	
*EE 4112 (Control Sys. Theory II)	3
*EE 3252 (Senior Design II)	3
*ME 3111 (Thermo I)	3
*Tech Elective	3
*Tech Elective	3
*EE 3199 (Prof. Devel.)	1
	16

*Taken at UNCC

UNCC-JOHNSON C. SMITH
MECHANICAL ENGINEERING

1st Semester		2nd Semester	
Math 144 (Pre-Calculus)	4	Math 241 (Calculus I)	4
Chem 141 (Gen. Chem.)	4	Chem 142 (Gen. Chem.)	4
Eng 190 (Composition I)	3	Eng 190 (Composition II)	3
Foreign Language 131	3	Foreign Language 132	3
Physical Education (Activity)	1	Music 131	3
Physical Education 121 (Hygiene)	2	*EGR 1100 (Intro. to Engr.)	1
Orientation 111	1		
	18		18

Summer Session

Biology 140	4
History 131	3
P.E. (Activity)	1
	8

3rd Semester		4th Semester	
Math 242 (Calculus II)	4	Math 341 (Calculus III)	3
Phy 243 (Mechanics)	4	Phy 244 (Elec. Magnetics)	4
Eng 231 (World Lit)	3	Speech 131 (Fundamentals)	3
Gen Psy 131	3	Eng 232 (World Lit)	3
CSC 231 (Comp. Prog.)	3	*ME 1102 (Graphics and Comp.)	3
	17		16

5th Semester		6th Semester	
ECO 231 (Prin. of Econ)	3	Phy 331 (Modern)	3
Math 434 (Diff. Eq.)	3	*EGS 2142 (Engr. Mech. II)	3
*EE 2161 (Basic EE I)	3	*EE 2162 (BASIC EE II)	3
*ME 2101 (Comp. Applic.)	3	*ME 2154 (Lab I)	2
*EGS 2141 (Engr. Mech. I)	3	MAT 333 (Prob. & Stat.)	3
MAT 336 (Linear Alg.)	3		
	18		14

7th Semester		8th Semester	
*ME 3111 (Thermo I)	3	*ME 3112 (Thermo II)	3
*ME 3122 (Anal. & Synth. of Mech.)	3	*ME 3123 (Mech. Sys. & Design)	3
*ME 3153 (Lab II)	2	*ME 3154 (Lab III)	2
*EGS 3141 (Solid Mech.)	3	*ME 3114 (Fluid Mech.)	3
*ME 3161 (Materials)	3	*ENG 2116 (Tech Writing)	3
	14		14

9th Semester		10th Semester	
*ME 4121 (Mach. Anal. & Design)	3	*ME or EGS 4XXX (Elective)	3
*ME 3253 (Sr. Design I)	2	*ME 3299 (Prof. Dev.)	1
*ME 4111 (Heat Trans)	3	*ME 3254 (Sr. Design II)	3
*Minor	3	*Minor	3
*Minor	3	*Minor	3
*ME 3299 (Prof. Dev.)	0		
	14		13

*Taken at UNCC

AEROSPACE STUDIES

Johnson C. Smith University offers the voluntary Air Force Reserve Officers Training Corps (AFROTC) Program in cooperation with UNC at Charlotte within the terms of the existing agreements between member schools of the Charlotte Area Educational Consortium.

The program is available to all students with at least two years of education (undergraduate and/or graduate) remaining. A student incurs no obligations during participation in the Freshman and Sophomore years of Air Force ROTC. Because a position on active duty is programmed for them upon entering the Junior year, students are expected to accept a commission and serve a minimum of four years on active duty if they continue into the final two years of AFROTC. Successful completion of the prescribed requirements leads to commissioning, upon graduation, as a Second Lieutenant in the U.S. Air Force.

Air Force ROTC College Scholarship Program.

Full tuition, books and lab fees, plus $100 monthly tax-free subsistence allowance are available to qualified high school graduates and college freshmen and sophomores for four, three,or two years, respectively, on a selective basis. All students enrolled in the Junior and Senior years of the AFROTC program receive the $100 monthly allowance, whether or not on scholarship.

Freshman Aerospace Studies

AEROSPACE STUDIES 101 **One credit hour**

A study of the doctrine, mission, and organization of the U.S. Air Force; a study of tactical and airlift forces, their mission, function, and employment. FALL SEMESTER.

AEROSPACE STUDIES 102 **One credit hour**

A study of U.S. strategic offensive and defensive forces, aerospace support forces, and a review of Army, Navy and Marine general purpose forces. SPRING SEMESTER.

Sophomore Aerospace Studies

AEROSPACE STUDIES 201 **One credit hour**

An examination of the growth of airpower over the past eighty years by reviewing the various concepts of employment and focusing upon the factors which prompted research and technological change. FALL SEMESTER.

AEROSPACE STUDIES 202 **One credit hour**

A continuation of AS 201 with emphasis on a variety of events and elements in the history of airpower, especially where these provide significant examples of the impact of airpower on strategic thought. SPRING SEMESTER.

Field Training

Two Field Training courses are offered, either of which is to be completed during the summer between the Sophomore and Junior years. One covers a four week period for students in the four year program; the other covers six weeks and is designed for two year program applicants. Transportation, lodging, meals and approximately $150 per week are provided by the Air Force during Field Training.

Leadership Laboratory

Each cadet participates a minimum of one hour per week during every semester of enrollment. Leadership Lab is scheduled at one time only, every Thursday afternoon for the entire cadet corps.

The objective is to provide a laboratory environment where each student receives an opportunity to learn and develop leadership and management abilities. Cadets plan, organize, and carry out the entire cadet program with only minimal guidance from the staff advisors.

Junior Aerospace Studies

AEROSPACE STUDIES 301 **Three credit hours**

Concepts of Air Force Leadership. A study of the meaning of professional responsibilities of the professional officer, the foundations of the military profession, theories of leadership, discipline and human relations. FALL SEMESTER.

AEROSPACE STUDIES 302 **Three credit hours**

Concepts of Air Force Management. Includes principles of and functions of management, Air Force personnel policies, channels of communication, problem solving, quantitative models and simulations, the command-staff team, the subordinate, performance standards, and Air Force controls. SPRING SEMESTER.

Advanced Training Program

Students enrolled in the Junior and Senior years of AFROTC may volunteer to attend a two or three week orientation program at an Air Force base. This is an opportunity to observe and experience the working environment of an active Air Force facility and to obtain specific career information. Transportation, lodging, meals, and approximately $200 per week are provided by the Air Force during participation in this voluntary program.

Senior Aerospace Studies

AEROSPACE STUDIES 401 **Three credit hours**

American Defense Policy. The executive-legislative matrix of our national government is developed and compared with other governmental systems. An analysis of the role and function of professional military officers in a democratic society is stressed. FALL SEMESTER.

AEROSPACE STUDIES 402 **Three credit hours**

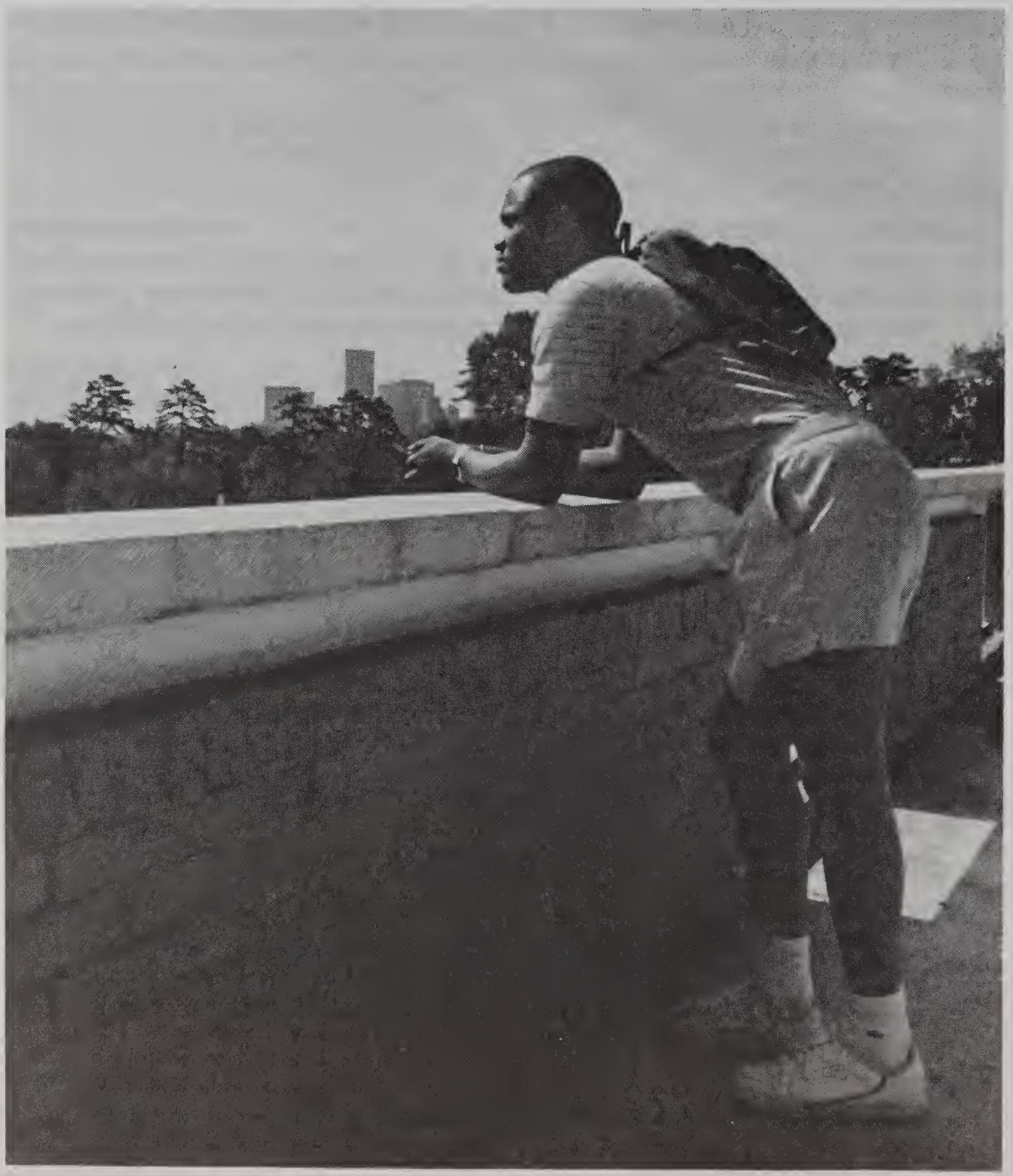
Continued development of the fundamentals presented in AS 401 with special emphasis on the role of the junior officer in implementing national policy decisions. Integrated into this curriculum is the development of communicative skills necessary for today's military officer. SPRING SEMESTER.

Flight Instruction Program

Students in their senior year selected for pilot training will be given flight instruction at no cost. Those who complete the 13 hours of instruction and solo may apply this training toward earning their private pilot's license.

Light Aircraft Orientation Program

All advanced cadets can elect to become familiarized with aircraft operations and fly several hours with a local flying service as part of their professional knowledge and advancement. This is a voluntary program at no cost to the student.



MILITARY SCIENCE AREA (ARMY ROTC)

Professor (Mil.): Lt. Col. Diehl
Assistant Professors (Mil.): Maj. Howell,
Capt. Chuber
Capt. Ahrens

Johnson C. Smith University offers Army Reserve Officers' Training Corps (ROTC) in cooperation with UNC-Charlotte within terms of the existing agreements between schools of the Charlotte Area Educational Consortium.

Students at Johnson C. Smith University may elect to participate in the Army Reserve Officers' Training Corps (ROTC) area as part of their academic curriculum. Students successfully completing the Military Science curriculum will receive 19 credit hours applicable toward general elective requirements and will be commissioned second lieutenants in the Regular Army, Army Reserve or National Guard. Students will normally enroll in a military science course or activity each semester.

Army ROTC is a four-year area consisting of the Basic Course (freshman and sophomore years) and the Advanced Course (junior and senior years). No military commitment is incurred for participation in the Basic Course. ROTC is open to both men and women.

Eligibility for admission into the Advanced Course is on the basis of demonstrated officer potential and a physical examination. Members of the Reserve Components, honorably discharged veterans and students with a JROTC background may be eligible for placement into the Advanced Course provided they are otherwise fully qualified. Transfer students with two or more years remaining toward degree completion may also qualify for direct entry into the Advanced Course by participation in paid summer training. Advanced Course students attend a paid six-week summer camp prior to commissioning.

All students enrolled in the Advanced Course receive tax-free subsistence allowance of $100 per academic month. One, two, and three-year scholarships are awarded on a competitive basis. Scholarships pay the full cost of tuition, textbooks and lab fees as well as the monthly subsistence allowance. All uniforms and textbooks for ROTC instruction are provided at no cost to the student. The ROTC student body is organized as a corps of cadets, which sponsors several social and professional enrichment activities such as the: ROTC Honor Guard, Scabbard and Blade Society (a national military fraternity), the RAIDERS (a commando oriented organization) and the Cadet Association.

COURSE DESCRIPTIONS

Courses for Undergraduates

MS 1101 Basic Course I. (1) Introduction to ROTC and the U.S. Army including the rationale of the national defense structure and the mission and role of the Army. Introduction to modern theories of leadership and their application to today's environment. One lecture hour per week offered in the fall and spring semester.

MS 1102 Basic Leadership Laboratory I. (1) Practical work in basic military skills and physical ability development. Introduction to land navigation, drill and ceremony, communications, and the Army's standard individual weapons with emphasis upon team work and confidence building through participation in leadership activities. Three laboratory hours per week offered in the fall and spring semester.

MS 2101 Basic Course II. (2) Introduction to map reading techniques, small unit tactics and the role of the junior officer in troop leading. First aid in a tactical environment will be surveyed. Three lecture hours per week offered in the fall and spring semester.

MS 2102 Basic Leadership Laboratory II. (1) Emphasis upon developing proficiency in basic military skills with students assuming leadership roles when the class functions as a military unit. Assertive, confident leadership through knowledge and practice will be stressed. Three laboratory hours per week offered in the fall and spring semester.

MS 3101 Advanced Course I. (3) Prerequisite: Basic Course or consent of the professor of military science. Introduction to the advanced ROTC area and an examination of branches of the Army, military teaching principles, management and small unit tactics, including refresher and advanced training in communications, drill and ceremonies, land navigation and physical fitness. Students must be successfully pursuing a commission in the Regular Army, Army Reserve or Army National Guard. Three lecture hours per week offered only in the fall semester.

MS 3102 Advanced Course II. (3) Prerequisite: MS 3101 or consent of the professor of military science. Designed specifically to prepare cadets for attendance at advanced camp with emphasis on mastering skills necessary to operate and maintain military equipment and developing self-confidence. Three lecture hours per week offered only in the spring semester.

MS 3103 Advanced Leadership Laboratory I. (1) Prerequisite: MS 3101 or consent of the professor of military science. Practical application and additional development of military skills and leadership principles with emphasis on mastery of all previous military skills with much of the training being performance oriented. Students develop their leadership by rotating through various leadership positions during the conduct of their training. Three laboratory hours per week offered only in the spring semester.

MS 3201 Advanced Course III. (3) Prerequisite: MS 3102. Examination of staff organization procedures and purpose including a detailed analysis of the total Army concept (Regular Army, Army Reserve, National Guard). Practical application of military briefing techniques and examination of the relationship of the Army officer and society through a survey of military history. Three lecture hours per week offered in the fall semester only.

MS 3202 Advanced Course IV. (3) Prerequisite: MS 3201. Examination of military law, professional ethics, personnel and training management with special emphasis upon the student's smooth transition to active service or service with the reserve components in this final precommissioning course. Three lecture hours per week offered in the spring semester only.

MS 3203 Advanced Leadership Laboratory II. (1) Prerequisite: MS 3201. Extensive practical work in military planning and instructional techniques with special emphasis upon development of applied leadership skills necessary as a commissioned officer. Three laboratory hours per week offered only in the spring semester.

QUICK REFERENCE DIRECTORY

General Information
(704) 378-1000
Office of the President
(704) 378-1008
Vice President for Academic Affairs
(704) 378-1014
Vice President for Business and Financial Affairs
(704) 378-1087
Vice President for Development
(704) 378-1020
Vice President for Student Affairs
(704) 378-1040
Director of Admissions
(704) 378-1010
Director of Alumni Affairs
(704) 378-1026
Director of Career Planning and Placement
(704) 378-1045
Director of Financial Aid
(704) 378-1035
Director of Public Relations
(704) 378-1025
Director of Residence Life
(704) 378-1099
Director of Student Union
(704) 378-1046
Director of Athletics
(704) 378-1072
University Librarian
(704) 378-1030
University Bookstore
(704) 378-1048
Campus Security
(704) 378-1003

OFFICERS OF INSTRUCTION
1985-1986

ROBERT L. ALBRIGHT (1983) . . . . . PRESIDENT
A.B. 1966, Lincoln University
M.A. 1972, Tufts University
Ph.D. 1978, Kent State University

Shirley G. Anderson (1972) . . . . . Associate Professor of Psychology
Department Head and
Division Chairperson

B.A. 1966, Alma College
M.Ed. 1970, University of North Carolina - Chapel Hill
Ph.D. 1972, University of North Carolina - Chapel Hill

Nigel M. Ayton (1962) . . . . Associate Professor of Foreign Languages
A.B. 1956, Howard University
M.Ed. 1962, University of North Carolina - Chapel Hill
Further Study—Certificat de Français - Sorbonne, 1957
University of North Carolina - Chapel Hill, Summer 1972

Patricia Brown (1985) . . . . . Assistant Professor of English
B.A. 1978, Louisiana State University
M.A. 1981, Louisiana State University

Charlie L. Butler (1963) . . . . . Assistant Professor of Music
B.A. 1947, Fisk University
M.A. 1951, Radcliffe College
Further Study—Juilliard School of Music, 1950 (summer); University of Kansas City, 1952 (summer); Peabody Conservatory of Music 1976, 1980 (summers)

Helen T. Caldwell (1975) . . . . . Instructor of Sociology
and Social Welfare
(On Leave)

B.A. 1973, Jackson State University
M.S.W. 1974, Rutgers University

Charles Kuang-Huei Chen (1984) . . Assistant Professor of Computer
and Information Science

B.S. 1969, National Chen-Kung University
M.S. 1972, National Chen-Kung University
M.S. 1984, New Jersey Institute of Technology
Futher Study—Rutgers, State University of New Jersey, 1981-1982

Baldeo Kumar Chopra (1973) . . . . . Professor of Biology
Department Head

B.S. 1960, Benares Hindu University
M.S. 1962, Benares Hindu University
Ph.D. 1968, Auburn University

Thomas Collins, Jr. (1975) . . . . . Assistant Professor of Mathematics
B.S. 1964, Johnson C. Smith University
M.A.T. 1972, Purdue University
Further Study—University of South Carolina, 1982 (summer)

Charlotte D'Armond (1983) . . . . . Assistant Professor of Communication Arts
A.A. 1975, Lees McRae College
B.A. 1977, Carson-Newman College
M.A. 1980, Louisiana State University
M.L.S. 1981, Louisiana State University
Ph.D. 1984, Louisiana State University

Juanita R. Davidson (1972) . . . . . Instructor of Social Welfare and Social Work
B.A. 1957, Dillard University
M.S.W. 1959, Atlanta University

Phillis Worthy Dawkins (1981) . . . . . Assistant Professor of Physical Education Department Head
B.S. 1975, Johnson C. Smith University
M.A. 1976, The University of Michigan
Ph.D. 1984, Ohio State University

Jesse Dent (1983) . . . . . Assistant Professor of Political Science
B.A. 1976, University of Maryland
M.A. 1979, University of North Carolina - Chapel Hill
Further Study—University of North Carolina - Chapel Hill

N.V. Desai (1969) . . . . . Assistant Professor of Economics
B.A. 1963, Sardar Patel University
M.A. 1965, M. S. University
M.E. 1969, North Carolina State University
Further Study—University of Pennsylvania; University of North Carolina - Charlotte

Benjamin A. Dias (1978) . . . . . Associate Professor of Chemistry
B.S. 1969, Interamerican University
M.S. 1975, Atlanta University
D.A. 1980, Atlanta University

Ossibelle Dixon (1957) . . . . . Instructor of Physical Education
A.B. 1951, Shaw University
M.S. 1957, North Carolina Central University
Further Study—Belmont Abbey College, 1962; University of North Carolina - Chapel Hill, 1965; University of Colorado, 1966

Foster T. Drakeford (1951) . . . . . Assistant Professor of Mathematics
B.S. 1950, Livingstone College
M.S. 1953, Howard University
Further Study—North Carolina A & T University, 1950 (summer); Boston University, 1953 (summer); University of Chicago, 1954 (summer); University of North Carolina - Chapel Hill, 1958

Spencer E. Durante, Sr. (1976-PT) . . . . . Professor of Education
B.S. 1939, Shaw University
M.S. 1943, University of Pennsylvania
Ed.D. 1956, University of Pennsylvania
Further Study—Miami University, Ohio, 1970; Dayton University, 1971

Gloria M. Duval . . . . . Assistant Professor of Education and Vice President for Development
B.A. 1971, Payne College
M.A. 1973, American University
Ed.D. 1982, Western Michigan

George D. Fitzpatrick (1980) . . . . . Assistant Professor of Business Administration and Economics
B.S. 1952, Boston College
M.A. 1958, Seminaire des Jesuites (France)
M.B.A. 1961, Northwestern University
M.A. 1965, Carbringe School of Theology

Jo-an D. Forney (1946) . . . . . Instructor of Communication Arts
B.S. 1945, Johnson C. Smith University
M.Ed. 1949, Boston University
Further Study—Boston University, 1959, 1964, 1969

Linette Fox (1985) . . . . . Assistant Professor of Business Administration and Economics
B.A. 1971, Bennett College
M.B.A. 1979, University of North Carolina - Greensboro

Sidney L. Freeman (1958-PT) . . . . . Associate Professor of Communication Arts
B.S. 1947, University of Wisconsin
M.A. 1949, Bowling Green State University (Ohio)
Ph.D. 1951, Cornell University

Bessie Gage (1977) . . . . . Instructor of Early Childhood Education
B.S. 1973, South Carolina State College
M.S. 1977, Atlanta University
Further Study—Winthrop College, 1981; University of North Carolina - Chapel Hill, 1984

Boyd J. Gatheright (1948) . . . . . Associate Professor of Mathematics Division Chairperson
B. S. 1946, Knoxville College
M.S. 1948, State University of Iowa
C.A.S. 1974, Weslyan University (Certificate of Advanced Study)

Israel J. Gerber (1970) . . . . . Professor of Psychology (On Leave)

B.A. 1939, Yeshiva University
M.S. 1940, College of the City of New York
Ph.D. 1950, Boston University
Further Study—University of Chicago, 1976, 1978 (summers); Massachusetts General Hospital, 1980

Edythe R. Grady (1952) . . . . . Associate Professor of Music

B.S. 1942, Hampton Institute
B.S. 1947, Hampton Institute
M.S.M. 1950, Union Theological Seminary, New York
Professional Diploma 1960, Columbia University
Further Study—Montana State University, 1963 (summer); University of Puget Sound, 1964 (summer)

Ruth L. Greene (1979) . . . . . Professor of Psychology

B.S. 1970, Morgan State University
M.A. 1972, Michigan State University
Ed.D. 1975, University of Massachusetts
Postdoctoral Research 1981, Center for the Study of Aging and Human Development, Duke University Medical Center
Summer Postdoctoral Fellow 1983, Institute for Social Research, The University of Michigan

Thurman N. Guy (1979) . . . Instructor of Early Childhood Education (On Leave)

B.S., 1976, North Carolina A & T State University
M.A. 1978, North Carolina A & T State University
M.A. 1979, University of Wisconsin - LaCrosse
Further Study—North Carolina A & T State University, 1979 (summer)

Paul H. Hailey (1975) . . . . . Assistant Professor of English

B.A. 1957, Johnson C. Smith University
M.A. 1972, North Carolina Central University
Further Study—McCrorey School of Theology, 1959, 1960; University of North Carolina - Charlotte, 1979, 1980; Atlanta University, 1982

Eugene Hermitte (1973) . . . . . Associate Professor of History Department Head

A.B. 1966, Stanford University
Ph.D. 1974, Northwestern University

Joyce C. Hicks (1984) . . . . . Assistant Professor of Business Administration and Economics

B.A. 1970, Johnson C. Smith University
M.P.A. 1979, University of Colorado
J.D. 1982, University of Denver
Advanced Study—University of Missouri

Deanna S. Highe (1982) ..... Instructor of English
B.A. 1971, Morgan State University
M.A. 1980, Oakland University
Further Study—Georgia State University, 1975

Ruben Hines (1976) ..... Instructor of History (On Leave)
B.A. 1972, Fayetteville State University
M.A. 1973, North Carolina Central University
Further Study—University of North Carolina - Charlotte, 1978 (summer); University of North Carolina - Chapel Hill, 1979-1982 (summers)

Daniel Hoffman (1984) ..... Associate Professor of Political Science
B.A. 1963, University of Chicago
L.L.B. 1966, Harvard University
Ph.D. 1977, Massachusetts Institute of Technology

Freddie Holt (1983) ..... Instructor of Music and Director of Bands
B.A. 1981, Shaw University
M.A.Ed. 1983, Tennessee A & I State University
Further Study—Institute for Research in Black Music, Fisk University, 1984

Calvin A. Hood (1954) ..... Assistant Professor of Religion and University Chaplain
B.A. 1951, Johnson C. Smith University
B.D./M. 1954, Johnson C. Smith Theological Seminary
M.A. 1959, Boston University
D.D. 1975, Interdenominational Theological Center
Further Study—Boston University, 1960, 1961 (summers)

Nay Howell (1983) ..... Instructor of Urban Studies
B.A. 1975, Eckerd College
J.C. 1979, University of North Carolina - Chapel Hill

Thomas Hyder (1984) ..... Instructor of Reading
B.A. 1968, Lenoir Rhyne College
M.A. 1973, Appalachian State University
Further Study—University of South Carolina, 1975; North Carolina State University, 1984

Ernest L. James (1967) ..... Instructor of Communication Arts
B.A. 1956, Johnson C. Smith University
M.A. 1974, North Carolina A & T University
Further Study—New York Institute of Photography; Atlanta University

Rosalyn J. Jones (1976) ..... Assistant Professor of English
B.A. 1974, Shaw University
M.A.T. 1975, Duke University
D.A. 1983, Middle Tennessee State

Stephen W. Joyner (1978) .....Instructor of Physical Education
B.S. 1973, Johnson C. Smith University
M.Ed. 1980, Virginia State University

Christopher W. Kemp (1947) .....Professor of Music
Department Head
B.S. 1944, Hampton Institute
M.M. 1947, University of Michigan
Further Study—Eastman School of Music of the University of Rochester, 1950 (summer); University of Michigan, 1951, 1958 (summers); State University of New York at Potsdam, European Music and Art Study tour, 1953 (summer); School of Sacred Music, Union Theological Seminary, 1960 (summer); University of Minnesota, 1963 (summer); Conservatoire d'Americaines, Fontainebleau, France, 1966 (summer); University of Salzburg, Austria 1968 (summer), University of Ghana, Accra/Legon West Africa, 1971 (summer), Indiana University, 1974 (summer)

Michael Kidda (1985) .....Assistant Professor of Psychology
B.A. 1969, Centenary College
M. Div. 1972, The University of the South
M.S. 1984, University of Georgia

Albert Kreiling (1983)...Associate Professor of Communication Arts
Department Head
B.S. 1965, Northwestern University
M.S. 1967, University of Illinois
Ph.D. 1973, University of Illinois

Vicki L. Lamb (1984).....Instructor of Sociology and Social Work
B.S. 1974, Campbell University
M.S. 1980, Virginia Polytechnic Institute and State University

Antonia Lassaletta (1985) .....Assistant Professor of
Foreign Languages
B.A. 1958, College of the Sacred Heart
M.A. 1964, Middleburg College

James R. Law (1949).....Professor of Psychology and
Vice President for Academic Affairs
B.A. 1947, Lincoln University
M.A. 1949, New York University
Ph.D. 1967, Duke University
Further Study—Sarah Lawrence College, 1949 (summer); Beloit College, 1962 (summer); Florida A & M University, 1972 (summer); New York University, 1951-1953 and 1957-1958

Bessie H. Ledbetter (1967) .....Assistant Professor of English
B.A. 1956, Benedict College
M.A. 1966, Northwestern University
Further Study—University of North Carolina - Charlotte, 1973, 1974, 1975, 1976

Monle Lee (1985) . . . . . Assistant Professor of Business Administration and Economics

B.Comm. 1975, Feng Chia University
M.B.A. 1980, Eastern New Mexico

Laurence Littau (1985) . . . . . Assistant Professor of Chemistry

B.S. 1954, City College of New York
M.S. 1961, Pennsylvania State University

Francine G. Madrey (1984) . . . . . Assistant Professor of Education and Vice President for Student Affairs

B.S. 1971, University of Tennessee
M.S. 1976, Memphis State University
Ph.D. 1982, Ohio State University

William Madrey (1984) . . . . Assistant Professor of Physical Education

B.S. 1964, Elizabeth City State University
M.S. 1972, North Carolina A & T State University
M.S. 1973, North Carolina A & T State University
D.A. 1984, Middle Tennessee State University

Dorothea Martin (1985) . . . . . Assistant Professor of History and Political Science and Urban Studies

B.A. 1974, Louisiana State University
M.A. 1979, University of California - San Diego
Ph.D. 1985, University of Hawaii - Manoa

Marie Worsley Matthews (1985) . . . . . Instructor of Education

B.A. 1977, Johnson C. Smith University
M.A. 1984, University of North Carolina - Charlotte

Mary Elizabeth Mebane (1985) . . . . . UNCF Distinguished Scholar Department of English

B.A. 1955, North Carolina College at Durham
M.A. 1961, University of North Carolina - Chapel Hill
Ph.D. 1971, University of North Carolina - Chapel Hill

Maxine F. Moore (1965) . . . . . Associate Professor of English Division Chairperson

B.A. 1965, Johnson C. Smith University
M.A. 1969, University of North Carolina
Ph.D. 1983, Emory University
Further Study—St. John's College, 1973

Robert D. Moore (1978) . . . . . Instructor of Mathematics

B.S. 1962, Virginia Union University
M.S. 1967, North Carolina A & T University

Sunday Ndoh (1985) . . . . . Assistant Professor of Business Administration and Economics

B.S. 1976, University of Maryland
M.A. 1979, Howard University
Ph.D. 1985, Howard University

Vietta M. Neal (1947) .....Associate Professor of Chemistry and Associate Vice President for Academic Affairs

A.B. 1941, Texas College
A.M. 1952, University of Michigan

Charles Onwuchekwa (1984) .....Assistant Professor of Business Administration and Economics Department Head

B.S. 1978, Mississippi State
M.B.A. 1979, Jackson State
D.B.A. 1982, Nova University

Appavoo Perumal (1968) .....Associate Professor of Physics

B.S. 1958, Annamalai University
M.S. 1962, Annamalai University
Ph.D. 1966, Annamalai University
Further Study—Post Doctoral work—University of South Carolina, 1967-1968; Case Western University, 1970 (summer); Argonne National Laboratory, 1973 (summer)

Rufus G. Pettis (1965) .....Professor of Mathematics Department Head

B.S. 1958, Benedict College
M.S. 1963, Atlanta University
Ed.D. 1969, Oklahoma State University
Further Study—Kansas State University, 1960; University of North Carolina, 1967

Spiros Prassas (1985) .....Assistant Professor of Health and Physical Education

B.S. 1976, Pandios Highest School of Political Sciences, Athens, Greece
M.A. 1982, University of Maryland
Ph.D. 1985, University of Maryland

Thomas B. Priest (1983).....Assistant Professor of Sociology/ Social Work Department Head

B.A. 1968, West Chester State College
M.A. 1971, University of Delaware
Ph.D. 1979, University of Iowa

P. T. Radcliffe (1982).....Associate Professor of Foreign Languages Department Head

A.B. 1969, Morgan State College
M.A. 1969, University of New Mexico
Ph.D. 1974, University of Wisconsin - Madison
Further Study—Faculté des Lettres - Aix-en-Provence France, 1965-1966

Flossie F. Rann (1973).....Associate Professor of Foreign Languages (On Leave)

A.B. 1963, Howard University
M.A. 1966, Howard University
Ed.D. 1974, Columbia University
Further Study—Certificat de Cours Pratique, 1966

Charles Ray (1979) ..... Assistant Professor of English
B.A. 1965, Western Carolina University
M.A. 1971, Appalachian State University
D.A. 1974, Middle Tennessee State University

Charles D. Rogers (1972) Assistant Professor of Communication Arts
B.F.A. 1964, California State University
M.A. 1971, Ohio State University
M.F.A. 1977, University of North Carolina

Henry F. Russell (1979) ..... Associate Professor of Chemistry
Department Head
B.S. 1963, University of Delaware
M.S. 1965, University of Delaware
Ph.D. 1973, University of Virginia

Allen B. Saxe (1985) ..... Instructor of History and Political and Urban Studies
B.S. 1966, University of Wisconsin
M.A. 1969, Brandeis University

Joyce Schuler (1985) ..... Instructor of Music
B.S. 1971, Crane School of Music
M.Ed. 1974, Edinboro State College

Leroy T. Sellers (1975) ..... Part-Time Instructor of Music
B.S. 1960, Tennessee A & I State University
M.A. 1972, University of Connecticut
Further Study—University of Wisconsin, 1973; Michigan State University, 1974-1975

Moses Sharpe (1962) ..... Adjunct Instructor of Physical Education
B.S. 1961, Johnson C. University

Marilyn Sutton-Haywood (1985) ..... Assistant Professor of Biology
B.S. 1975, North Carolina Central University
M.S. 1977, Atlanta University
Ph.D. 1980, Atlanta University
Further Study—Stanford University, 1978

Mildred Swift (1985) ..... Instructor of Sociology and Social Work
B.A. 1957, Virginia State University
M.S.W. 1963, Atlanta University
M.A. 1974, University of Connecticut

Perumal Thirumurthy (1984) ..... Assistant Professor of Business Administration and Economics
B.A. 1961, Annamalai University
M.S. 1963, Annamalai University
B.S. 1981, University of North Carolina - Charlotte
C.P.A. 1982, North Carolina

Percial M. Thomas (1975) . . . . . Associate Professor of History
Division Chairperson

B.A. 1954, Virginia Theological Seminary and College
B.A. 1958, Virginia Union University
M.A. 1962, Teachers College, Columbia University
Further Study—Michigan State University, 1965 (summer); Russell Sage College, 1968 (summer)

Joseph W. Turner (1976) . . . . . Associate Professor of English
Department Head

B.A. 1972, Davidson College
M.A. 1975, Emory University
Ph.D. 1976, Emory University
Further Study—The School of Criticism and Theory, 1978; University of California - Irvine, 1978

Bettye C. Walker (1967) . . . . . Instructor of Music
(On Leave)

B.A. 1962, Talladega College
M.A. 1967, University of Iowa
Further Study—University of North Carolina - Greensboro, 1984-1985 (summers)

Claudia A. Warren (1984) . . . . . Assistant Professor of Education
Department Head and Coordinator of
Early Childhood Education Center

B.S. 1963, Winston-Salem State University
M.S. 1972, North Carolina A & T University
Ph.D. 1979, Southern Illinois University at Carbondale

Geoffrey Wilson (1985) . . . . . SOHIO Distinguished Professor of
Mathematics and Physics

B.A. 1945, University of Oxford
M.Sc. 1949, University of Oxford
Ph.D. 1975, Loughborough University of Technology

Leslie Wilson (1981) . . . . . Assistant Professor of Biology

B.S. 1946, University of Kentucky
M.A. 1949, University of Tennessee - Knoxville
Ph.D. 1971, University of Tennessee - Knoxville

Catherine Wright (1984) . . . . . Instructor of Health Education

B.S. 1972, North Carolina Central University
M.H.D.L. 1984, University of North Carolina - Charlotte

Hampton Wright (1958) . . . . Associate Professor of Mathematics and
Computer Science
Department Head

B.S. 1956, Benedict College
M.S. 1959, Howard University
Ph.D. 1973, North Carolina State University
Further Study—University of North Carolina - Charlotte, 1977

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Philomena Scales*†
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Delious Thompson
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Darrel Jerome Wesley
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Crystal Renee Withrow†
Randolph Worsley, Jr.*†

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Queenetta Valerie Morrison
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Robin Denise Williams
Theresa Williams
Leviticus Lee Williamson
William Carr Wood, Jr.

BACHELOR OF SOCIAL WORK

Cum Laude
Carol Delois Samuel

BACHELOR OF SOCIAL WORK

Terrell Nathan Alston*
Clint Davis
Audrey Egenia Simpson

**Fall Semester, 1984*
†*Teacher Education*

HONORARY DEGREES — 1985

DOCTOR OF HUMANE LETTERS

Harvey Bernard Gantt
John Branch Stedman

DEGREES—AUGUST, 1985

BACHELOR OF ARTS

Cum Laude

Helen Esdale Ellis

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Georgette Loree Alston
Janet Denise Cameron
Rogina Janean Deas
Regina Lynn Fitzgerald
Dina Lynn Hedrick
Marie Ann Martin
Darin Clifton Park
Devin Arron Park
Frankye Johnson Ward

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Brooks Clay Baker
Kwame Nkrumah Bing
Debroah Lavern Burns
Gregory Collier
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Brenda Lee Garlington
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Ronald Anthony Harrison
Debbie Ann Kearney
Gloria Dean Kearse
Pamela Charisse McColla
Robin Bonita McRae
Timothy Allen Miles
Bertrand Chukwudi Onyeme
Debra Maria Sherrill

DEGREES—MAY, 1986

BACHELOR OF ARTS

Summa Cum Laude

Stephen Mboro Andoseh

Cum Laude

Rose Marie Biddle†
Erica Lynette Jones*
Lucy Mozell Waverly
Deedra Oletha Wright

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James Wendell Bean, Jr.
Anthony Mark Bright*
Perry Wallace Brown*
Angela Deneen Burn
Joseph Buskey
Stephné Reniá Coney
Tonja Lyn Dantzler*†
Beverly Karen Draughn*
Patricia Doris Duren
Ola Mae Earl*†
Eleaf Frazier
Stephanie Renee Fruster
Angletta Kim Marie Gourdine
Ella Mae Hairston
Ernie Ryndell Harris
Walter Lee Harris
Helen Rochelle Jackson
Fatou Salieu Keita†
Deatrich Renee Kirkpatrick
Byron Raynard Lesane*
Keith Anthwayne Mason Lipscomb
Ralph Jonas Lowe
Jesse Lee Moore, Jr.*†
Elisa Rose Perry
Michael Garrette Rogers
James Erwin Saunders, Jr.
Mi'chelle Yvonne Simpson
Michael Dewayne Singleton
Toney Wayne Smith*†
Gwendolyn Ingram White†

BACHELOR OF SCIENCE

Magna Cum Laude

Phyllis Inell Thomas

Cum Laude

Maurice Blue
Rose Marie Bullock
Franklin Marcellus Chisholm
Sonya Edwina Dalton
Patricia Ann Daniel
Raymona Harris
Vanessa Hunter
Odelia Annette Johns†
Odishi Nauzuluoha Johnson Scott
Jeremiah Sims
Dennis Todd Squirewell
Mary Dolores Webb
Dellene Williams
Lisa Michele Williams*
Shelia Arnette Young

BACHELOR OF SCIENCE

Howard Anthony Alford
Unithia Elnora Banks*
Lisa Sharron Bigelow
Douglas Ashe Brown
Tanya Yolanda Butler
Teressa Bobette Chasten
Glenn P. Cheatom
Wendell Dixon
Reginald Anthony Falice*
Jessica Lorae Ferguson
June Efelda Gilbert
Sheryl Cherise Goode*
Reginald Keith Harris
Herbert Garnett Hill*
Frank A. Howard
MIchael Ray Hoyles*
Maury Lee Isley
Darrell Scott Johnson*
Allieu Sheik Kanu
Jeffrey Jerome Leak
Patsy Ann Johnson-Locke
Wilbur Rafer Mapp
Yvonne Renee Marshall
Craig Todd Martin*
Kenneth Clinton Max
Tommie Willie Milling, Jr.
Sharon Denise Oakley
Koray Kemal Ozturkler
Betty Elaine Parrish
Beverly Jean Payne
April Lynette Poteat
Samuel Otis Pratt
Lisa Ramona Reeves*
Barry LaGrant Rhodie*
Danita Adrienne Robinson
Cedric Angelo Skeen*
Jacqueline Eugenia Carter Strong
Shelia Elizabeth Taylor
William LeRoy Thacker
Jennifer Ann Tyson*
Vanessa Wheeling Wade
Marion LaTanya Ward
Stephana Lynn Wells
Tynetta Harris White
Ralph Medicus Williams, III
Christopher Anderson Womack
Sutalia Allen Woodard

BACHELOR OF SOCIAL WORK

Cum Laude

Leslie Yvonne Donaldson

BACHELOR OF SOCIAL WORK

Gardenia Johnson*
Sabra Renee Smoot

**Completed requirements December, 1985*
†Teacher Education

HONORARY DEGREES

DOCTOR OF HUMANE LETTERS

Jay M. Robinson
Mary Duke Semans

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James B. McMillan

JOHNSON C. SMITH UNIVERSITY

100 Beatties Ford Road
Charlotte, North Carolina 28216-5398
(704) 378-1000

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